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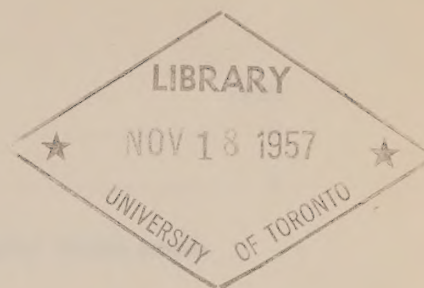


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MOTOR TRANSPORT TRAFFIC STATISTICS

PROVINCE OF SASKATCHEWAN

1956

Published by Authority of

The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS

Public Finance and Transportation Division

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TABLE OF CONTENTS

	Page
Introduction	5
Review of Survey Results	6
Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province.	
Table 1. Total Miles Travelled	8
Table 2. Total Fuel Consumption	8
Table 3. Total Goods Carried and Ton Miles Performed	9
Table 4. Total Truck Capacity	10
Table 5. Total Gross Ton Miles Performed	10
Table 6. Total Revenue from Operations Performed by For Hire Carriers	10
Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province.	
Table 7. Miles Travelled Within the Province	11
Table 8. Fuel Consumption Within the Province	11
Table 9. Goods Carried and Ton Miles Performed Within the Province	12
Table 10. Truck Capacity Within the Province	13
Table 11. Gross Ton Miles Performed Within the Province	13
Table 12. Revenue from Operations Performed by For Hire Carriers Within the Province	13
Section III. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Engaged in Interprovincial and International Traffic.	
Table 13. Total Tons of Goods Carried Into and Out of Saskatchewan by Origin and Destination, by Type of Operation	14
Table 14. Interprovincial and International Traffic by Gross Vehicle Weight Groups	14
Table 15. Commodities Carried by Saskatchewan Registered Trucks in Interprovincial and International Traffic	15
Section IV. Motor Bus Traffic Performed by Saskatchewan Registered Buses Inside and Outside the Province.	
Table 16. Mileage, Fuel, Passengers and Passenger Miles, Capacity and Revenue	15
Section V. Motor Bus Traffic Performed by Saskatchewan Registered Buses Within the Province.	
Table 17. Mileage, Fuel, Passengers and Passenger Miles, Capacity and Revenue	16
Appendix I. Sampling Results	17

INTRODUCTION

This report presents the results of quarterly surveys of Motor Transport Traffic conducted in the Province of Saskatchewan during the twelve month period January 1, 1956 to December 31, 1956. These surveys have been made possible through the excellent co-operation received from the industry, and

in particular from the officials of the Government of Saskatchewan in allowing the Dominion Bureau of Statistics access to the motor vehicle registration records from which quarterly samples of trucks and buses were selected.

General Description of the Sample

An overall sample of approximately 10 per cent of the trucks and intercity buses registered in Saskatchewan was selected for inclusion in the surveys conducted during the twelve month period ending December 31, 1956. To take into consideration seasonal variations in road transport operations, four surveys each of which consisted of a quarter of the annual sample or about $2\frac{1}{2}$ per cent of commercial motor vehicle registrations were conducted every three months. Each survey ran for a seven day period Sunday through Saturday. Since the number of motor vehicle registrations varies from day to day, each quarterly sample of about 3,000 vehicles was selected immediately prior to the survey week in order to be representative of the registrations in force at the time. Registrations selected were coded so that a particular vehicle would not be chosen more than once during each licence year.

All trucks and buses registered in the province are represented, except those vehicles which are not considered to be engaged in transportation services and buses which are utilized for scheduled urban transit services. The sample thus excludes such vehicles as tow trucks, hearses, ambulances, snowmobiles, farm tractors, cranes, bulldozers, cat tracks, diggers, graders, and other road building equipment, military and other government owned vehicles, taxis and passenger automobiles and those vehicles which are not required to obtain a Saskatchewan licence under Section 59 of the Saskatchewan Vehicles Act. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including power units or tractors in the survey.

While an annual sample of ten per cent of all trucks registered in the province was considered sufficient to obtain reliable statistics, greater accuracy was achieved by stratifying the sample by gross vehicle weight groups. For example, almost 23,000 vehicles or approximately 24 per cent of the provincial total have a gross vehicle weight of 5,000 pounds or less, whereas only about 1,300 trucks are in the over 30,000 pound group. More reliable results are obtained not only by concentrating higher sampling ratios among the weight groups containing the largest vehicles with the most diver-

sified type of operations, but also by ensuring that each weight group contains a sufficient number of vehicles for expansion purposes. The proportion selected by weight group varied, therefore from 6 per cent in the lowest weight group, to about 32 per cent in the heaviest, with the result that an overall ten per cent ratio was made to represent approximately 20 per cent of the capacity of all vehicles registered.

The quarterly samples were also stratified by function or type of operation into the four categories: for hire, private intercity, private urban and private farm. For hire trucks are those operated for compensation or gain anywhere in the province according to licence; private intercity trucks are those which are owned and operated on intercity routes by business, industry and individuals to transport their own raw materials, finished goods and merchandise; private urban vehicles are those which are operated predominantly within urban or metropolitan areas and private farm trucks are those operated by farmers primarily for the transportation of farm produce and farm supplies, or for service purposes.

In Saskatchewan, trucks operated provincially for compensation or for hire are classed as "Public Service Vehicles". Public Service Vehicles used for transporting general merchandise over a route or by charter are issued with an "A" licence, while those restricted to transporting specified commodities provincially are provided with an "E" licence. The sample of for hire vehicles was selected directly from these two licence categories. Vehicles owned and operated by farmers and used in connection with their own farm operations are classified as farm vehicles and issued with an "F" licence. Farm trucks were also sampled directly from the registration records. All other private trucks are classified as Commercial vehicles and are issued with a "C" licence if used within a radius of 35 miles of the owner's headquarters or a "D" licence if operated provincially. Sample vehicles were selected from these two licence categories and were later divided into "private intercity" and "private urban" on the basis of type of operation performed by the trucks as shown by replies to the survey questionnaires.

Expansion of the Survey Results

Since each quarterly sample was selected at random the final distribution of each sample by gross vehicle weight and by function was used to provide population estimates as at the time of the

sample selection. The results of each quarterly survey were then expanded to represent all trucks and intercity buses registered in the province, as well as the operations performed during the three month

period. Generally, this was achieved by multiplying the sample results by the inverse ratio of the sample to the population and by the ratio of three months to one week. Expansion on the basis of the relative size of the sample and population varied with each gross vehicle weight group and with the breakdown of the gross sample into various categories of response. Since there are 13 weeks in the three month period, time expansion was achieved by multiplying by 13 in all cases.

REVIEW OF SURVEY RESULTS

The statistical data obtained from these surveys have been divided into five parts or sections according to type of transportation performed. Section I contains estimates of the transportation performed by all Saskatchewan registered trucks both inside and outside the province. Section II presents estimates of transportation by all Saskatchewan registered trucks within the boundaries of the province only. Section III provides data relating to the operations of Saskatchewan registered trucks engaged in interprovincial and international transportation. Sections IV and V contain estimates of the transportation performed by Saskatchewan registered intercity buses on the same basis as that shown in Sections I and II.

In the Appendix, the average number of trucks registered in Saskatchewan during the twelve month period ending December 31, 1956 is shown by type of operation and by gross vehicle weight. The number of trucks registered averaged 96,158 of which 1,458 or almost 2 per cent were common or for hire carriers and 94,700 or 98 per cent were private. Seventy-nine per cent or 75,612 of the vehicles were classed as farm trucks; that is trucks which were used mainly in the growing, servicing and marketing activities of the farmers; 10,938 or 11 per cent were private trucks operated predominantly within urban areas; and 8,150 or 8 per cent were private intercity vehicles owned and operated by business, industry and individuals to transport and distribute their own goods and merchandise.

In the tables presented herein, blanks appear in a number of places. This is because no vehicles for these particular weight classifications were selected in any of the four samples which were drawn. It does not necessarily follow that there are no vehicles in the province belonging to these weight classifications.

Section I: The estimated total number of miles travelled by all trucks registered in Saskatchewan intraprovincially, interprovincially, internationally and extraprovincially (traffic performed entirely outside the province) during the year ending December 31, 1956 amounted to 387 million of which 42 million miles or 12 per cent were accumulated by for hire trucks and 81 million or 23 per cent by private intercity trucks. For hire trucks travelled an average of 29,100 miles compared to the average of 9,900 miles for private intercity vehicles while the average for all trucks in the province was 4,000 miles during the year.

The resultant expanded data for each of the four quarterly surveys were then combined to obtain provincial estimates for the twelve month period. Yearly operating averages such as average yearly mileage were calculated from the average number of vehicles registered during the twelve month period. All other operating ratios were obtained from the twelve month aggregates.

The amount of fuel consumed by Saskatchewan registered trucks totalled 37 million imperial gallons of gasoline, and 398,000 gallons of diesel oil. As there were a small number of diesel trucks included in the survey, the estimate of the diesel oil consumption is not a very reliable one and should therefore be used with caution. Average miles per gallon of gasoline varied from 6.6 for the common carriers to 12.2 for farm vehicles. The average for all gasoline trucks amounted to 10.3 miles per gallon and for diesel trucks 6.6 miles per gallon.

The total volume of goods transported by all trucks registered in the province amounted to 23.7 million short tons. Farm trucks carried 11.1 million tons or 47 per cent of the total, private urban trucks transported 5.6 million tons, or 23 per cent; private intercity trucks carried slightly less than 5.6 million tons and for hire carriers transported 1.5 million tons or almost 7 per cent of the total volume. Ton miles performed aggregated 523 million, an average of 5,400 ton miles per vehicle.

Total capacity ton miles, which was based on the actual mileage travelled during the year, amounted to 1,460 million, an average of 15,200 capacity ton miles per vehicle. The percentage of capacity utilized was 35.8 for all trucks and 48.0 per cent for the for hire group. Gross ton miles aggregated 1,830 million, an average of 19,000 gross ton miles per vehicle.

The total amount of revenue received by common or for hire carriers for all types of service amounted to 16 million dollars or \$11,300 per vehicle. Revenue per ton mile was 7.5 cents whereas revenue per total mile amounted to 39.0 cents.

Section II: This series presents the total amount of transportation performed by Saskatchewan registered trucks within the boundaries of the province. In addition to the intraprovincial transportation, it includes that portion of interprovincial and international transportation which was performed on Saskatchewan streets and highways.

The total miles travelled by Saskatchewan registered trucks within the province amounted to 374 million as compared with the grand total of 387 million travelled both inside and outside the province. The yearly mileage per truck averaged 3,900 as against 4,000.

The total volume of goods carried in Saskatchewan amounted to 23.6 million tons. Ton miles totalled 443 million as compared with 523 million inside and outside the province, while average ton miles per vehicle equalled 4,600 as against 5,400. Similarly, the average weight carried per vehicle amounted to 2.7 tons as compared to 3.0 tons and the average distance each ton of goods was carried within the province was 18.8 miles as against 22.0 miles.

Total revenue received by common carriers for the transportation of goods on Saskatchewan streets and highways amounted to 11 million dollars, an average of \$7,800 per vehicle and 7.3 cents per ton mile.

Section III: This section presents some statistics on interprovincial and international transportation. Table 13 shows the total amount of goods transported out of Saskatchewan to other provinces and to the United States as well as the volume of goods transported into Saskatchewan from other provinces and the United States.

Table 14 shows estimates of interprovincial and international transportation by gross vehicle weight groups and by class of carrier. Of total transportation amounting to 94 million ton miles, almost 72 per cent or 68 million ton miles were performed by for hire carriers.

Commodities carried by vehicles engaged in interprovincial and international transportation are shown in table 15. The total weight of goods transported was 179,000 tons, of which 125,000 tons or 70 per cent was carried by for hire trucks. Revenues received by common carriers amounted to 3.5 million dollars an average of 5.09 cents per ton mile. Each ton of goods was transported an average distance of 547 miles. Manufactured and miscellaneous items totalling 70,000 tons were the chief commodities transported by for hire carriers for which revenue of 2.2 million dollars was received.

Private vehicles engaged in interprovincial and international service transported 54,000 tons of goods; 31,000 tons or 57 per cent of which were manufactured and miscellaneous items.

Section IV: The total number of passengers carried by intercity buses licensed in Saskatchewan during the twelve month period January 1, 1956 to December 31, 1956 is estimated at 2.1 million. In

transporting this number of passengers, buses travelled 13.3 million miles, an average of 89,600 miles per bus. The average distance each passenger was carried was 105 miles. The total number of passenger miles performed was 221 million and, for each mile travelled, buses carried an average of 16.7 passengers. Capacity seat miles performed amounted to 473 million indicated that the average capacity utilized was 46.8 per cent.

In travelling this number of miles, buses used 1.1 million gallons of gasoline and 800,000 gallons of diesel oil. Gasoline engined buses averaged 5.8 miles per gallon and those using diesel oil 8.5 miles per gallon.

Total revenues received for the transportation of passengers amounted to 5.3 million dollars, an average of \$35,900 per bus, 40.1 cents per total mile or 2.4 cents per passenger mile.

Section V: Within Saskatchewan, buses travelled a distance of 7.8 million miles using 759,000 gallons of gasoline and 380,000 gallons of diesel oil. Estimated passenger miles performed totalled 109 million and average capacity utilized was 40.3 per cent. Revenue collected for mileage travelled in Saskatchewan amounted to 2.7 million dollars, an average of \$18,100 per bus at the rate of 2.5 cents per passenger mile.

Appendix: The appendix to this report provides an analysis of and the degree of response obtained by the use of the random sample method of collecting Motor Transport Traffic Statistics. For the four quarterly sample surveys conducted in the province over the twelve month period ending December 31, 1956, questionnaires were sent to the owners or operators of 12,198 trucks. Of this total, 5,720 were returned with the questions unanswered because the vehicles concerned were not operated during the specified week for a number of reasons such as "being repaired" or "operator ill". The questionnaires are, however considered to be equivalent to completed returns, as allowance for the average number of vehicles not in operation during the year must be made when expanding the survey results to obtain estimates of the total amount of traffic performed by all registered vehicles in the province. With this provision, the total number of satisfactory or completed questionnaires returned totalled 10,326 or 85 per cent of the total sent. In addition, 793 questionnaires were returned incomplete and therefore were unusable. Non response to the survey totalled 1,079 or 9 per cent.

**Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 1. Total Miles Travelled

Type of operation ¹	Gross vehicle weight groups						
	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7 ½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Total mileage travelled							
				'000			
For Hire	—	1,038	97	1,662	9,700	29,919	42,416
Private:							
Intercity	25,836	15,665	3,802	10,334	15,795	9,628	81,060
Urban	27,318	8,891	2,263	3,135	3,434	765	45,806
Farm	42,186	117,855	28,022	19,889	9,995	—	217,947
Total	95,340	143,449	34,184	35,020	38,924	40,312	387,229
Average yearly mileage per truck							
For Hire.....	—	14,400	2,700	11,100	24,700	37,100	29,100
Private:							
Intercity	7,000	10,400	10,300	13,200	11,000	24,500	9,900
Urban	4,100	4,100	4,300	4,000	5,000	4,700	4,200
Farm	3,300	3,200	2,800	1,700	2,100	—	2,900
Total	4,100	3,600	3,100	2,600	5,300	29,600	4,000
Average journey (Average distance each ton of goods was carried)							
For Hire.....	—	68.5	4.0	52.1	78.6	181.7	147.2
Private:							
Intercity	18.7	16.0	15.2	29.9	18.8	46.9	25.7
Urban	9.2	4.0	7.2	6.2	4.6	7.3	5.5
Farm	14.1	11.1	10.0	11.9	13.4	—	11.6
Total	13.1	10.4	10.2	13.6	15.6	86.7	22.0
Percentage of total mileage travelled empty							
For Hire	—	37.6	—	49.2	41.7	32.3	35.2
Private:							
Intercity	75.4	55.6	42.5	36.3	40.2	42.2	54.3
Urban	54.4	43.0	33.8	27.3	40.8	40.8	48.1
Farm	68.6	62.2	56.5	47.9	48.0	—	60.8
Total	66.4	60.2	53.3	42.7	42.6	34.9	55.1

1. For hire trucks—operated for compensation or gain anywhere in the province according to licence. Private—Intercity trucks—owned and operated on intercity routes by business, industry and individuals to transport their own raw materials, finished goods and merchandise. Private—Urban trucks—operated primarily within urban areas. Private—Farm trucks—owned and operated by farmers primarily to transport farm produce and farm supplies or for service purposes.

**Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 - December 31, 1956**

TABLE 2. Total Fuel Consumption

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total gallons of gasoline consumed							
				'000			
For Hire.....	—	87	12	210	1,273	4,866	6,448
Private:							
Intercity	1,851	1,271	376	1,181	2,268	1,731	8,678
Urban	1,899	812	245	433	556	175	4,120
Farm	2,857	8,989	2,497	2,231	1,283	—	17,857
Total	6,607	11,159	3,130	4,055	5,380	6,772	37,103
Total gallons of diesel oil consumed							
				'000			
For Hire.....	—	—	—	—	46	27	73
Private:							
Intercity	—	—	—	—	—	325	325
Urban	—	—	—	—	—	—	—
Farm	—	—	—	—	—	—	—
Total	—	—	—	—	46	352	398

**Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 – December 31, 1956**

TABLE 2. Total Fuel Consumption – Concluded

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Miles per gallon of gasoline							
For Hire	—	11.9	8.2	7.9	7.6	6.1	6.6
Private:							
Intercity	14.0	12.3	10.1	8.7	7.0	5.6	9.3
Urban	14.4	10.9	9.2	7.2	6.2	4.4	11.1
Farm	14.8	13.1	11.2	8.9	7.8	—	12.2
Total	14.4	12.7	10.6	8.6	7.2	6.0	10.3
Miles per gallon of diesel oil							
For Hire	—	—	—	—	—	6.5	6.5
Private:							
Intercity	—	—	—	—	5.3	10.0	7.0
Urban	—	—	—	—	—	—	—
Farm	—	—	—	—	—	—	—
Total	—	—	—	—	5.3	6.8	6.6

**Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 – December 31, 1956**

TABLE 3. Total Goods Carried and Ton Miles Performed

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total tons of goods carried							
				'000			
For Hire	—	8	31	61	360	1,035	1,495
Private:							
Intercity	178	378	341	542	2,900	1,232	5,571
Urban	366	840	380	888	2,524	621	5,619
Farm	399	4,018	1,911	2,893	1,840	—	11,061
Total	943	5,244	2,663	4,384	7,624	2,888	23,746
Average weight carried (Average weight of goods carried per one-way trip) ¹							
For Hire	—	.8	1.3	3.8	5.0	9.3	8.1
Private:							
Intercity .....	.5	.9	2.4	2.5	5.8	10.4	3.9
Urban .....	.3	.7	1.8	2.4	5.8	10.0	1.3
Farm .....	.4	1.0	1.6	3.3	4.7	—	1.5
Total .....	.4	1.0	1.7	3.0	5.3	9.5	3.0
Total ton miles performed							
				'000			
For Hire	—	548	121	3,183	28,306	187,937	220,095
Private:							
Intercity	3,325	6,055	5,167	16,225	54,588	57,820	143,180
Urban	3,347	3,333	2,720	5,483	11,694	4,546	31,123
Farm	5,647	44,579	19,175	34,534	24,663	—	128,598
Total	12,319	54,515	27,183	59,425	119,251	250,303	522,996
Average ton miles per truck							
For Hire	—	7,600	3,400	21,200	72,000	232,900	151,000
Private:							
Intercity	900	4,000	14,000	20,700	38,100	147,100	17,600
Urban	500	1,500	5,200	7,000	17,200	27,900	2,800
Farm	400	1,200	1,900	3,000	5,100	—	1,700
Total	500	1,400	2,500	4,500	16,200	183,600	5,400

1. Excludes vehicles making trips empty.

**Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 – December 31, 1956**

TABLE 4. Total Truck Capacity¹

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total capacity ton miles							
				'000			
For hire	—	2,005	268	9,607	74,368	372,382	458,630
Private:							
Intercity	20,905	27,029	11,870	47,286	127,174	127,039	361,303
Urban	24,382	17,809	7,324	16,612	27,430	10,663	104,220
Farm	38,173	232,327	83,045	109,918	72,812	—	536,275
Total	83,460	279,170	102,507	183,423	301,784	510,084	1,460,428
Capacity ton miles per truck							
For Hire	—	27,800	7,400	64,000	189,200	461,400	314,600
Private:							
Intercity	5,700	17,900	32,200	60,500	88,900	323,300	44,300
Urban	3,700	8,100	13,900	21,200	40,300	65,400	9,500
Farm	3,000	6,400	8,300	9,400	15,100	—	7,100
Total	3,600	7,000	9,300	13,700	41,100	374,200	15,200
Percentage of capacity utilized							
For hire	—	27.4	45.3	33.1	38.1	50.5	48.0
Private:							
Intercity	15.9	22.4	43.5	34.3	42.9	45.5	39.6
Urban	13.7	18.7	37.1	33.0	42.6	42.6	29.9
Farm	14.8	19.2	23.1	31.4	33.9	—	24.0
Total	14.8	19.5	26.5	32.4	39.5	49.1	35.8

1. Capacity ton miles is determined by multiplying the actual total number of miles travelled by the difference between gross vehicle weight and estimated tare weight.

**Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 – December 31, 1956**

TABLE 5. Total Gross Ton Miles Performed¹

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total gross ton miles							
				'000			
For hire	—	3,385	441	10,358	74,335	438,440	526,959
Private:							
Intercity	47,604	46,059	19,829	60,210	131,745	124,033	429,480
Urban	50,636	27,444	10,494	18,078	27,526	9,801	143,979
Farm	76,866	353,952	111,787	115,617	70,956	—	729,378
Total	175,106	430,840	142,551	204,463	304,562	572,274	1,829,796
Average gross ton miles per truck							
For hire	—	47,000	12,300	69,100	189,100	543,300	361,400
Private:							
Intercity	13,000	30,500	53,700	77,000	92,100	315,600	52,700
Urban	7,700	12,500	20,000	23,100	40,400	60,100	13,200
Farm	6,000	9,800	11,100	10,000	14,700	—	9,600
Total	7,600	10,700	13,000	15,300	41,500	419,900	19,000

1. Gross ton miles performed is determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total mileage travelled.

**Section I. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province
January 1, 1956 – December 31, 1956**

TABLE 6. Total Revenue from Operations Performed by For Hire Carriers

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total revenue	\$ —	137,000	12,000	632,000	2,539,000	13,145,000	16,465,000
Revenue per ton mile	¢ —	24.9	10.0	20.0	9.0	7.0	7.5
Revenue per mile (total mileage travelled)	¢ —	13.2	12.5	38.0	26.2	43.9	39.0
Average yearly revenue per truck \$	—	1,900	300	4,200	6,500	16,300	11,300

**Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956**

TABLE 7. Miles Travelled Within the Province

Type of operation	Gross vehicle weight groups						
	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Total mileage travelled							
				'000			
For Hire.....	—	1,038	97	1,662	9,078	21,161	33,036
Private:							
Intercity.....	25,836	15,314	3,788	9,493	15,708	7,271	77,410
Urban.....	27,318	8,891	2,263	3,135	3,434	765	45,806
Farm.....	42,186	117,855	28,022	19,889	9,995	—	217,947
Total	95,340	143,098	34,170	34,179	38,215	29,197	374,199
Average yearly mileage per truck							
For Hire.....	—	14,400	2,700	11,100	23,100	26,200	22,700
Private:							
Intercity.....	7,000	10,200	10,300	12,100	11,000	18,500	9,500
Urban.....	4,100	4,100	4,300	4,000	5,000	4,700	4,200
Farm.....	3,300	3,200	2,800	1,700	2,100	—	2,900
Total	4,100	3,600	3,100	2,600	5,200	21,400	3,900
Average journey (Average distance each ton of goods was carried)							
For Hire.....	—	67.6	4.0	52.1	73.8	133.2	108.1
Private:							
Intercity.....	18.7	15.9	15.2	28.6	18.7	36.4	23.0
Urban.....	9.2	4.0	7.2	6.2	4.6	7.3	5.5
Farm.....	14.1	11.1	10.0	11.9	13.4	—	11.6
Total	13.1	10.4	10.2	13.3	15.3	63.3	18.8
Percentage of total mileage travelled empty							
For Hire.....	—	37.6	—	49.2	42.1	36.4	38.6
Private:							
Intercity.....	75.4	54.8	42.3	37.1	40.2	43.0	54.9
Urban.....	54.4	43.0	33.8	27.3	40.8	40.8	48.1
Farm.....	68.6	62.2	56.5	47.9	48.0	—	60.8
Total	66.4	60.0	53.3	43.1	42.8	38.1	56.0

**Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956**

TABLE 8. Fuel Consumption Within the Province

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total gallons of gasoline consumed							
				'000			
For Hire.....	—	87	12	210	1,189	3,518	5,016
Private:							
Intercity.....	1,851	1,240	365	1,088	2,258	1,305	8,107
Urban.....	1,899	812	245	433	556	175	4,120
Farm.....	2,857	8,989	2,497	2,231	1,283	—	17,857
Total	6,607	11,128	3,119	3,962	5,286	4,998	35,100
Total gallons of diesel oil consumed							
				'000			
For Hire.....	—	—	—	—	—	161	161
Private:							
Intercity.....	—	—	—	—	39	9	48
Urban.....	—	—	—	—	—	—	—
Farm.....	—	—	—	—	—	—	—
Total	—	—	—	—	39	170	209

Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956

TABLE 8. Fuel Consumption Within the Province – Concluded

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Miles per gallon of gasoline							
For Hire	—	11.9	8.2	7.9	7.6	6.0	6.6
Private:							
Intercity	14.0	12.4	10.4	8.7	7.0	5.6	9.5
Urban	14.4	10.9	9.2	7.2	6.2	4.4	11.1
Farm	14.8	13.1	11.2	8.9	7.8	—	12.2
Total	14.4	12.7	10.7	8.6	7.2	5.8	10.7
Miles per gallon of diesel oil							
For Hire	—	—	—	—	—	6.2	6.2
Private:							
Intercity	—	—	—	—	5.5	9.9	6.3
Urban	—	—	—	—	—	—	—
Farm	—	—	—	—	—	—	—
Total	—	—	—	—	5.5	6.4	6.2

Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956

TABLE 9. Goods Carried and Ton Miles Performed Within the Province

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total tons of goods carried							
				'000			
For Hire	—	8	31	61	356	952	1,408
Private:							
Intercity	178	378	341	503	2,899	1,181	5,480
Urban	366	840	380	888	2,524	621	5,619
Farm	399	4,018	1,911	2,893	1,840	—	11,061
Total	943	5,244	2,663	4,345	7,619	2,754	23,568
Average weight carried (Average weight of goods carried per one-way trip) ¹							
For Hire	—	.8	1.3	3.8	5.0	9.4	7.8
Private:							
Intercity .....	.5	.9	2.4	2.4	5.8	10.4	3.6
Urban .....	.3	.7	1.8	2.4	5.8	10.0	1.3
Farm .....	.4	1.0	1.6	3.3	4.7	—	1.5
Total .....	.4	1.0	1.7	3.0	5.3	9.6	2.7
Total ton miles performed							
				'000			
For Hire	—	548	121	3,183	26,289	126,760	156,901
Private:							
Intercity	3,325	6,008	5,167	14,388	54,277	42,987	126,152
Urban	3,347	3,333	2,720	5,483	11,694	4,546	31,123
Farm	5,647	44,579	19,175	34,534	24,663	—	128,598
Total	12,319	54,468	27,183	57,588	116,923	174,293	442,774
Average ton miles per truck							
For Hire	—	7,600	3,400	21,200	66,900	157,100	107,600
Private:							
Intercity	900	4,000	14,000	18,400	37,900	109,400	15,500
Urban	500	1,500	5,200	7,000	17,200	27,900	2,800
Farm	400	1,200	1,900	3,000	5,100	—	1,700
Total	500	1,400	2,500	4,300	15,900	127,900	4,600

1. Excludes vehicles making trips empty.

Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956

TABLE 10. Truck Capacity Within the Province¹

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total capacity ton miles							
				'000			
For Hire.....	—	2,005	268	9,607	70,605	290,311	372,796
Private:							
Intercity.....	20,905	26,600	11,784	45,524	126,357	99,287	330,457
Urban.....	24,382	17,809	7,324	16,612	27,430	10,663	104,220
Farm.....	38,173	232,327	83,045	109,918	72,812	—	536,275
Total	83,460	278,741	102,421	181,661	297,204	400,261	1,343,748
Capacity ton miles per truck							
For Hire.....	—	27,800	7,400	64,000	179,600	359,700	255,700
Private:							
Intercity.....	5,700	17,600	31,900	58,200	88,300	252,600	40,500
Urban.....	3,700	8,100	13,900	21,200	40,300	65,400	9,500
Farm.....	3,000	6,400	8,300	9,400	15,100	—	7,100
Total	3,600	6,900	9,300	13,600	40,500	293,700	14,000
Percentage of capacity utilized							
For Hire.....	—	27.3	45.3	33.1	37.2	43.6	42.1
Private:							
Intercity.....	15.9	22.6	43.9	31.6	43.0	43.3	38.2
Urban.....	13.7	18.7	37.1	33.0	42.6	42.6	29.9
Farm.....	14.8	19.2	23.1	31.4	33.9	—	24.0
Total	14.8	19.5	26.5	31.7	39.3	43.5	33.0

1. Capacity ton miles is determined by multiplying the actual number of miles travelled within the province by the difference between gross vehicle weight and estimated tare weight.

Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956

TABLE 11. Gross Ton Miles Performed Within the Province¹

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total gross ton miles							
				'000			
For Hire.....	—	3,385	441	10,358	69,406	272,840	356,430
Private:							
Intercity.....	47,604	45,154	19,487	55,066	131,018	92,256	390,585
Urban.....	50,636	27,444	10,494	18,078	27,526	9,801	143,979
Farm.....	76,866	353,952	111,787	115,817	70,956	—	729,378
Total	175,106	429,935	142,209	199,319	298,906	374,897	1,620,372
Average gross ton miles per truck							
For Hire.....	—	47,000	12,300	69,100	176,600	338,100	244,500
Private:							
Intercity.....	13,000	29,900	52,800	70,400	91,600	234,700	47,900
Urban.....	7,700	12,500	20,000	23,100	40,400	60,100	13,200
Farm.....	6,000	9,800	11,100	10,000	14,700	—	9,600
Total	7,600	10,700	12,900	14,900	40,700	275,100	16,900

1. Gross ton miles performed is determined by adding to the total ton miles performed the weight of vehicle empty (tare) multiplied by total mileage travelled.

Section II. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Within the Province
January 1, 1956 – December 31, 1956

TABLE 12. Revenue From Operations Performed by For Hire Carriers Within the Province

Type of operation	Gross vehicle weight groups						
	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Total revenue..... \$	—	137,000	12,000	632,000	2,359,000	8,261,000	11,401,000
Revenue per ton mile..... ¢	—	24.9	10.0	19.9	9.0	6.5	7.3
Revenue per mile (total mileage travelled)..... ¢	—	13.2	12.5	38.0	26.0	39.0	34.7
Average yearly revenue per truck \$	—	1,900	300	4,200	6,000	10,200	7,800

Section III. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Engaged in Interprovincial and International Traffic January 1, 1956 - December 31, 1956

TABLE 13. Total Tons of Goods Carried Into and Out of Saskatchewan by Origin and Destination, by Type of Operation

Origin or destination	For hire trucks	Private intercity trucks	All trucks
	'000 tons	'000 tons	'000 tons
To Ontario	7	—	7
From Ontario	11	—	11
To Manitoba	38	9	47
From Manitoba	35	16	51
To Alberta	12	11	23
From Alberta	21	15	36
To British Columbia	—	—	—
From British Columbia	—	—	—
To Northwest Territories	—	—	—
From Northwest Territories	—	—	—
To United States	—	—	—
From United States	1	3	4
Grand Total To	57	20	77
	From		
	68	34	102

Section III. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Engaged in Interprovincial and International Traffic January 1, 1956 - December 31, 1956

TABLE 14. Interprovincial and International Traffic by Gross Vehicle Weight Groups

Gross vehicle weight	For hire trucks			
	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per trip
	'000	'000	Tons	Miles
20,000 lbs. or less	—	—	—	—
20,001-25,000 lbs.	341	1,808	5.3	109
25,001-30,000 "	—	—	—	—
30,001-35,000 "	1,648	17,686	10.7	704
35,001-40,000 "	3,219	29,924	9.3	718
40,001-45,000 "	2,010	18,728	9.3	515
45,001-50,000 "	—	—	—	—
50,001 and over	—	—	—	—
Total	7,218	68,146	9.4	521
	Private intercity trucks			
	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per trip
	'000	'000	Tons	Miles
20,000 lbs. or less	244	812	3.3	101
20,001-25,000 lbs.	178	753	4.2	330
25,001-30,000 "	—	—	—	—
30,001-35,000 "	1,097	7,055	6.4	185
35,001-40,000 "	487	6,372	13.1	301
40,001-45,000 "	867	10,829	12.5	357
45,001-50,000 "	—	—	—	—
50,001 and over	—	—	—	—
Total	2,873	25,821	9.0	222

Section III. Motor Truck Traffic Performed by Saskatchewan Registered Trucks Engaged in Interprovincial and International Traffic January 1, 1956 - December 31, 1956

TABLE 15. Commodities Carried by Saskatchewan Registered Trucks in Interprovincial and International Traffic

Commodity classification	For hire trucks						
	Weight of goods carried	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products	5	72	705	9.8	141	25	3.60
Animal and animal products	27	1,449	14,611	10.1	541	532	3.64
Mine Products	1	45	247	5.5	247	8	3.24
Forest products	2	59	632	10.7	316	14	2.21
Manufacturing and miscellaneous	70	4,410	39,292	8.9	561	2,213	5.63
N.O.S. general freight	20	1,183	12,659	10.7	633	679	5.36
Total	125	7,218	68,146	9.4	547	3,471	5.09
	Private intercity trucks						
	Weight of goods carried	Total miles travelled with load	Total ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural Products	4	355	2,691	8.3	740		
Animal and animal products	2	210	1,142	5.4	571		
Mine products	—	—	—	—	—		
Forest products	3	68	742	10.9	247		
Manufacturing and miscellaneous	31	996	10,796	10.8	348		
N.O.S. general freight	14	1,244	10,450	8.4	746		
Total	54	2,873	25,821	9.0	483		

Section IV. Motor Bus Traffic Performed by Saskatchewan Registered Buses Inside and Outside the Province January 1, 1956 - December 31, 1956

TABLE 16. Mileage, Fuel, Passengers and Passenger Miles, Capacity and Revenue

	Passenger seating capacity				
	0-19	20-29	30-39	40 & over	Total
Mileage:					
Total mileage travelled	890,000	—	11,090,000	1,283,000	13,263,000
Average yearly mileage per bus	55,600	—	95,600	80,200	89,600
Average journey (average distance per passenger)	47.7	—	114.2	72.2	105.2
Fuel:					
Total gallons of gasoline consumed	100,000	—	724,000	258,000	1,082,000
Total gallons of diesel oil consumed	—	—	800,000	—	800,000
Miles per gallon of gasoline	8.9	—	5.9	5.0	5.8
Miles per gallon of diesel oil	—	—	8.5	—	8.5
Passengers and passenger miles:					
Total number of passengers carried	138,000	—	1,732,000	234,000	2,104,000
Total number of passenger miles	6,588,000	—	197,786,000	16,891,000	221,265,000
Average number of passengers carried per mile	7.4	—	17.8	13.2	16.7
Capacity:					
Total capacity seat miles	13,354,000	—	407,214,000	52,600,000	473,168,000
Percentage of capacity utilized	49.3	—	48.6	32.1	46.8
Revenue:					
Total passenger revenue	\$ 188,000	—	4,705,000	426,000	5,319,000
Revenue per mile (total mileage travelled)	¢ 21.1	—	42.4	33.2	40.1
Revenue per passenger mile	¢ 2.9	—	2.4	2.5	2.4
Revenue per bus	\$ 11,800	—	40,600	26,600	35,900

**Section V. Motor Bus Traffic Performed by Saskatchewan Registered Buses Within the Province
January 1, 1956 - December 31, 1956**

TABLE 17. Mileage, Fuel, Passengers and Passenger Miles, Capacity and Revenue

	Passenger seating capacity				
	0-19	20-29	30-39	40 & over	Total
Mileage:					
Total mileage travelled	890,000	—	5,579,000	1,283,000	7,752,000
Average yearly mileage per bus	55,600	—	48,100	80,200	52,400
Average journey (average distance per passenger)	47.7	—	84.1	72.2	78.5
Fuel:					
Total gallons of gasoline consumed	100,000	—	401,000	258,000	759,000
Total gallons of diesel oil consumed	—	—	380,000	—	380,000
Miles per gallon of gasoline	8.9	—	5.8	5.0	5.6
Miles per gallon of diesel oil	—	—	8.6	—	8.6
Passengers and passenger miles:					
Total number of passengers carried	138,000	—	1,014,000	234,000	1,386,000
Total number of passenger miles	6,588,000	—	85,291,000	16,891,000	108,770,000
Average number of passengers carried per mile	7.4	—	15.3	13.2	14.0
Capacity:					
Total capacity seat miles	13,354,000	—	203,968,000	52,600,000	269,922,000
Percentage of capacity utilized	49.3	—	41.8	32.1	40.3
Revenue:					
Total passenger revenue \$	188,000	—	2,061,000	426,000	2,675,000
Revenue per mile (total mileage travelled) ¢	21.1	—	36.9	33.2	34.5
Revenue per passenger mile ¢	2.9	—	2.4	2.5	2.5
Revenue per bus \$	11,800	—	17,800	26,600	18,100

APPENDIX I

Sampling Results

Type of operation	Gross vehicle weight groups						
	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Estimated average Saskatchewan truck population January 1, 1956—December 31, 1956							
For Hire	—	72	36	150	393	807	1,458
Private:							
Intercity	3,667	1,508	369	782	1,431	393	8,150
Urban	6,593	2,191	526	784	681	163	10,933
Farm	12,798	36,297	10,050	11,634	4,833	—	75,612
Total	23,058	40,068	10,981	13,350	7,338	1,363	96,158
Total number of trucks selected in samples							
For Hire	—	8	6	24	120	258	416
Private:							
Intercity	202	166	60	127	451	128	1,134
Urban	361	240	86	128	217	52	1,054
Farm	700	3,917	1,604	1,872	1,471	—	9,564
Total	1,263	4,331	1,756	2,151	2,259	438	12,198
Number of questionnaires returned completed							
For Hire	—	5	2	9	63	129	208
Private:							
Intercity	103	94	30	66	155	46	494
Urban	180	133	42	67	74	18	514
Farm	259	1,609	643	484	395	—	3,390
Total	542	1,841	717	626	687	193	4,606
Number of sampled trucks reported not in use during the survey week							
For Hire	—	2	2	11	36	90	141
Private:							
Intercity	55	47	21	43	212	52	430
Urban	101	73	31	48	103	22	373
Farm	293	1,706	757	1,153	862	—	4,771
Total	449	1,828	811	1,255	1,213	164	5,720
Number of questionnaires returned incomplete and unusable							
For Hire	—	1	2	2	14	22	41
Private:							
Intercity	34	17	6	11	61	17	146
Urban	62	23	10	8	29	8	140
Farm	57	205	62	64	78	—	466
Total	153	246	80	85	182	47	793
Number of questionnaires not returned (non-respondents)							
For Hire	—	—	—	2	7	17	26
Private:							
Intercity	10	8	3	7	23	13	64
Urban	18	11	3	5	11	4	52
Farm	91	397	142	171	136	—	937
Total	119	416	148	185	177	34	1,079



MOTOR TRANSPORT TRAFFIC STATISTICS
PROVINCE OF SASKATCHEWAN
1957

Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
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TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation	4
2. Net Ton Miles by Type of Operation.....	4
Introduction	5
Section I. Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province, January 1 – December 31, 1957.	
Table 1. All Trucks By Type of Operation	7
Table 2. All Trucks By Gross Vehicle Weight Groups	7
Table 3. For Hire Trucks By Gross Vehicle Weight Groups.....	8
Table 4. Private Intercity Trucks By Gross Vehicle Weight Groups	8
Section II. Traffic Performed by Saskatchewan Registered Trucks Within the Province, January 1 – December 31, 1957.	
Table 1. All Trucks By Type of Operation	9
Table 2. All Trucks By Gross Vehicle Weight Groups	9
Table 3. For Hire Trucks By Gross Vehicle Weight Groups.....	10
Table 4. Private Intercity Trucks By Gross Vehicle Weight Groups.....	10
Table 5. Private Urban Trucks By Gross Vehicle Weight Groups	11
Table 6. Private Farm Trucks By Gross Vehicle Weight Groups.....	11
Table 7. Selected Statistics of Intercity Traffic By Gross Vehicle Weight Groups	12
Section III. Intraprovincial Traffic Performed by Saskatchewan Registered Trucks, January 1 – December 31, 1957.	
Table 1. Selected Statistics By Gross Vehicle Weight Groups	12
Table 2. Selected Statistics By Commodity Groups.....	13
Section IV. Interprovincial and International Traffic Performed by Saskatchewan Registered Trucks, January 1 – December 31, 1957.	
Table 1. Tons of Goods Carried	13
Table 2. Selected Statistics By Gross Vehicle Weight Groups	14
Table 3. Selected Statistics By Commodity Groups	14
Section V. Intercity Traffic Performed by Saskatchewan Registered Buses Inside and Outside the Province, January 1 – December 31, 1957.	
Table 1. By Passenger Seating Capacity	15
Section VI. Intercity Traffic Performed by Saskatchewan Registered Buses Within the Province January 1 – December 31, 1957.	
Table 1. By Passenger Seating Capacity	15
Appendix: Sampling Results	16

PROVINCE OF SASKATCHEWAN
JANUARY 1 - DECEMBER 31, 1957

CHART - 1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

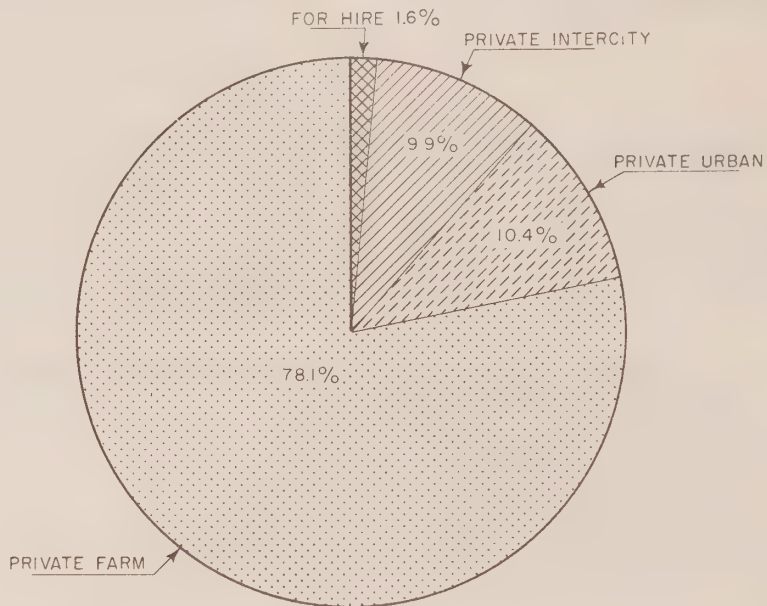
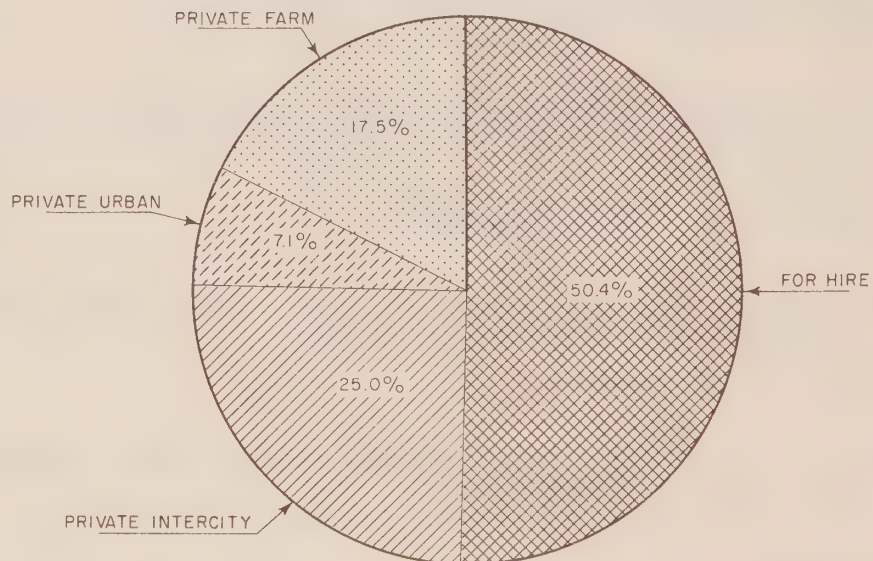


CHART - 2

NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

Methods Followed in Survey

A sample of approximately 8 per cent of trucks and 25 per cent of intercity buses registered in Saskatchewan was selected for this annual survey. To allow for seasonal variations in motor transport traffic and to ensure that the sample vehicles represented current registrations in force, the survey was conducted in four quarterly segments with approximately one-fourth of total truck and bus registrations sampled each quarter. Vehicles selected were coded so that a particular vehicle would not be chosen more than once during each licence year. Each quarterly segment of the survey ran for a seven day period, Sunday through Saturday.

All trucks and buses registered in the province are represented with the following exceptions: (a) those not engaged in transportation services; (b) buses utilized for scheduled urban transit or school service; and, (c) military and other government owned vehicles. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including the power units or tractors in the survey.

Vehicles in the sample were stratified by function or type of operation and by gross vehicle weight groups. The four functional categories used were: for-hire, private intercity, private urban and private farm. For-hire trucks are those operated for compensation or gain anywhere in the province according to licence; private intercity vehicles are those owned and operated by firms and individuals on intercity routes to transport their own goods; private urban vehicles are those which are operated predominantly within urban or metropolitan areas; and private farm trucks are those operated by farmers primarily to transport farm produce and supplies.

In Saskatchewan, trucks operated provincially for compensation are classed as "Public Service

Vehicles". Public service vehicles used for transporting general merchandise over a given route or for certified chartered operations are issued with an "A" licence, while those restricted to transporting specified commodities provincially are provided with an "E" licence. Vehicles owned and operated by farmers and used for their own farm operations are classified as farm vehicles and issued with an "F" licence. All other trucks are classified as commercial vehicles and are issued with a "C" licence if used within a radius of 35 miles of the owner's headquarters or a "D" licence if operated provincially.

For the purposes of the survey, trucks in the above licence classes were grouped as follows:

- For-hire — "A" and "E" licences
- Private-intercity — "C" or "D" licensed vehicles operating predominantly outside urban areas.
- Private-urban — "C" or "D" licensed vehicles operating predominantly within urban areas.
- Private-farm — "F" licence.

It is known that some "C" and "D" licensed trucks are operated for compensation but these vehicles were not included in the for-hire category. The number of such vehicles was not known and a reliable estimate could not be made on the basis of replies to the survey questionnaire. As a result, the data shown throughout this report as "For-hire" is understated and that for "Private intercity" and "Private urban" is overstated by the extent of those for-hire vehicles with "C" or "D" licences.

Expansion of Survey Results

The distribution of sample vehicles by gross vehicle weight groups and by function was used to provide population estimates as at the time of the sample selection. The sample results were then expanded to represent the operations of all trucks and intercity buses registered in the province during the three month period by multiplying the sample results by the inverse ratio of the sample to the population and by the ratio of three months to one week.

The expanded data for each of the four quarterly surveys were added together to obtain provincial estimates for the twelve month period. Yearly operating averages such as average yearly mileage were calculated from the average number of vehicles registered during the twelve month period. All other operating ratios were obtained from the twelve month aggregates.

Response to Survey

During the year survey questionnaires were sent to the owners or operators of 12,204 motor vehicles. Of this number 4,811 were returned completed and 5,048 vehicles were reported not used

during the survey week. In addition, 1,171 questionnaires were returned with insufficient information and were therefore unusable. Non response to the survey totalled 1,174 or 9.6 per cent.

Review of Survey Results

Excluding vehicles that do not perform transportation services, the average number of trucks registered in Saskatchewan during the year was 98,523. Of these 1,618 or 1.6 per cent were common or for-hire carriers; 9,755 or 9.9 per cent were private intercity vehicles; 10,202 or 10.4 per cent were private trucks operating predominantly within urban areas; and 76,948 or 78.1 per cent were private farm trucks.

In the tables presented, blanks appear in a number of places where no vehicles for these particular weight classifications were chosen in any of the quarterly sample selections. It does not necessarily follow that there are no vehicles in the province belonging to these weight classifications.

Section 1: Traffic Inside and Outside of the Province

Section 1 contains estimates of total traffic performed by all Saskatchewan registered trucks both inside and outside the province.

From the statistics presented herein it may be observed that although for-hire vehicles were only 1.6 per cent of all trucks registered in Saskatchewan, they accounted for over fifty per cent of the total net ton miles performed during 1957. This results not only from the comparatively high average yearly mileage of for-hire trucks operating inside and outside of Saskatchewan (37,600 as opposed to an average of 4,500 miles for all trucks) but also from the heavier average load carried (8.4 tons as compared with an average of 3.5 tons for all trucks). The heavier loads carried by for-hire trucks is to be expected since, as revealed in the appendix, about two-thirds of these vehicles have a gross vehicle weight of over 15 tons whereas less than one per cent of all other classes combined are in this upper weight group. The predominance of heavier vehicles in the for-hire class also explains the low miles per gallon ratio of 6.2 as compared with a ratio of 10.3 for all vehicles.

Although farm licensed vehicles in Saskatchewan comprise 78.1 per cent of the total trucking population, they perform less than half of the total mileage travelled by all Saskatchewan registered trucks, with each truck averaging only 2,800 miles per year.

Section 2: Traffic Within the Province

This section presents estimates of traffic performed by Saskatchewan registered trucks entirely inside the province excluding the "outside the province" portion of interprovincial and international traffic as well as a small amount of traffic performed entirely outside the province. There is little significant difference between the data presented in Section 1 and Section 2 for private intercity vehicles. However, it is apparent that for-hire vehicles accumulated nearly one-third of their total ton miles outside of Saskatchewan.

Section 3: Intraprovincial Traffic

This section includes estimates of for-hire and private intercity operations originating and terminating entirely inside the boundaries of Saskatchewan.

Analysing the distribution of total net ton miles by commodity, it can be seen that for-hire trucks are engaged primarily in transporting manufactured products and general freight. Of the total net ton miles performed by private intercity trucks, manufactured products accounted for 53 per cent while mine products (mostly gravel and sand) amounted to about 30 per cent.

Section 4: Interprovincial and International Traffic

Statistics of traffic performed by for-hire and private intercity trucks between Saskatchewan and other provinces and the United States are included in this section. On the present basis of sampling motor transport traffic, comparatively few Saskatchewan registered trucks engaging in interprovincial and international traffic are included in these surveys and as a result reliable estimates of such traffic have not been obtained. Hence the data in this section of the report should be used with considerable caution.

These estimates indicate with some reasonableness, however, that well over half of the total tons of goods carried by Saskatchewan registered trucks in interprovincial and international traffic was with Manitoba; and, that over one-quarter of the total net ton miles performed and over one-fifth of revenue earned by for-hire vehicles was in interprovincial and international operations.

Sections 5 and 6: Intercity Bus Traffic

Section 5 presents statistics on intercity bus traffic both inside and outside the province while Section 6 covers traffic within the province only. In comparing these two sections it is evident that a considerable portion of Saskatchewan registered bus operations was conducted outside the boundaries of the province; for example, while Saskatchewan buses accumulated a total of 186,236,000 passenger miles, only 91,210,000, or less than half, can be accounted for within provincial boundaries. Similarly, although total revenue equalled 4,296,000 dollars, slightly less than half, or 1,944,000 dollars, were earned while the buses were travelling outside provincial boundaries. This anomaly occurs through the inclusion in the sample of a large percentage of buses which are licensed in other provinces as well as Saskatchewan. Hence although registered in Saskatchewan, a number of buses did operate entirely outside the province during the survey weeks.

**SECTION I. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 - DECEMBER 31, 1957**

TABLE 1. All Trucks By Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	60,869	109,132	53,792	215,549	439,392
Average yearly mileage per truck		37,600	11,200	5,300	2,800	4,500
Average distance each ton was carried		153.0	21.4	7.0	12.2	25.4
Percentage of total mileage travelled empty		33.5	55.4	50.9	65.1	56.6
Fuel:						
Total gallons of gasoline consumed	'000	9,036	10,371	4,990	17,774	42,171
Miles per gallon of gasoline		6.2	10.4	10.8	12.1	10.3
Total gallons of diesel oil consumed	'000	741	143	—	—	884
Miles per gallon of diesel oil		6.5	5.3	—	—	6.3
Total gallons of other fuel consumed	'000	63	59	—	—	122
Miles per gallon of other fuel		4.9	6.0	—	—	5.4
Weight of goods carried:						
Total tons of goods carried	'000	2,221	7,870	6,776	9,642	26,509
Average weight carried ¹	ton	8.4	3.5	1.8	1.6	3.5
Net ton miles:						
Total net ton miles performed	'000	339,710	168,646	47,651	117,533	673,590
Average net ton miles per truck		210,000	17,300	4,700	1,500	6,800
Capacity ton miles:						
Total capacity ton miles ²	'000	775,935	428,588	143,839	524,842	1,873,204
Average capacity ton miles per truck		479,600	43,900	14,100	6,800	19,000
Percentage of capacity utilized		43.8	39.3	33.1	22.4	36.0
Gross ton miles:						
Total gross ton miles ³	'000	751,488	507,357	185,637	704,859	2,149,341
Average gross ton miles per truck		464,500	52,000	18,200	9,200	21,800
Revenue:						
Total revenue	\$'000	24,034	—	—	—	24,034
Revenue per ton mile	¢	7.1	—	—	—	7.1
Revenue per mile (total mileage travelled)	¢	39.5	—	—	—	39.5
Average yearly revenue per truck	\$	14,900	—	—	—	14,900

TABLE 2. All Trucks By Gross Vehicle Weight Groups

	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Mileage:							
Total mileage travelled	'000	126,463	141,811	32,239	34,333	45,581	58,965
Average yearly mileage per truck		5,300	3,500	2,900	2,600	5,800	31,900
Average distance each ton was carried		17.4	11.3	12.0	13.8	15.0	71.6
Percentage of total mileage travelled empty ..		57.8	63.9	53.7	44.2	43.0	34.2
Fuel:							
Total gallons of gasoline consumed	'000	8,474	10,978	2,921	4,122	6,208	9,468
Miles per gallon of gasoline		14.9	12.9	11.0	8.3	7.3	5.6
Total gallons of diesel oil consumed	'000	—	—	—	—	—	884
Miles per gallon of diesel oil		—	—	—	—	—	6.3
Total gallons of other fuel consumed	'000	—	—	—	—	59	63
Miles per gallon of other fuel		—	—	—	—	6.0	4.9
Weight of goods carried:							
Total tons of goods carried	'000	1,068	4,291	2,136	4,386	9,312	5,316
Average weight carried ¹	ton	0.5	0.9	1.7	3.2	5.4	9.8
Net ton miles:							
Total net ton miles performed	'000	18,618	48,402	25,605	60,560	139,632	380,773
Average net ton miles per truck		800	1,200	2,300	4,500	17,900	206,000
Capacity ton miles:							
Total capacity ton miles ²	'000	112,862	266,943	99,690	187,308	356,869	849,532
Average capacity ton miles per truck		4,700	6,600	8,900	13,900	45,300	459,700
Percentage of capacity utilized		16.5	18.1	25.7	32.3	39.1	44.8
Gross ton miles:							
Total gross ton miles ³	'000	229,865	415,865	132,334	200,079	357,107	814,091
Average gross ton miles per truck		9,700	10,300	11,800	14,900	45,700	440,500

TABLE 3. For Hire Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled	'000	—	1,668	418	2,708	8,748	60,869
Average yearly mileage per truck		—	20,300	11,900	20,100	26,700	37,600
Average distance each ton was carried		—	53.4	6.1	59.1	47.7	153.0
Percentage of total mileage travelled empty		—	39.4	65.5	30.8	38.3	33.5
Fuel:							
Total gallons of gasoline consumed	'000	—	161	47	311	1,070	9,036
Miles per gallon of gasoline		—	10.4	8.9	8.7	8.2	6.2
Total gallons of diesel oil consumed	'000	—	—	—	—	—	741
Miles per gallon of diesel oil		—	—	—	—	—	741
Total gallons of other fuel consumed	'000	—	—	—	—	—	6.5
Miles per gallon of other fuel		—	—	—	—	—	63
		—	—	—	—	4.9	4.9
Weight of goods carried:							
Total tons of goods carried	'000	—	15	35	109	543	2,221
Average weight carried ¹	ton	—	0.3	1.5	3.4	4.8	8.4
Net ton miles:							
Total net ton miles performed	'000	—	801	212	6,438	25,915	339,710
Average net ton miles per truck		—	9,800	6,100	47,700	79,000	210,000
Capacity ton miles:							
Total capacity ton miles ²	'000	—	2,700	1,465	17,043	68,224	775,935
Average capacity ton miles per truck		—	32,900	41,900	126,200	208,000	479,600
Percentage of capacity utilized		—	29.7	14.5	37.8	38.0	44.6
Gross ton miles:							
Total gross ton miles ³	'000	—	4,816	1,629	17,645	66,632	751,488
Average gross ton miles per truck		—	58,700	46,500	130,700	203,100	464,500
Revenue:							
Total revenue	\$'000	—	105	42	1,003	2,405	24,034
Revenue per ton mile	¢	—	13.1	19.8	15.6	9.3	7.1
Revenue per mile (total mileage travelled)	¢	—	6.3	10.0	37.0	27.5	39.5
Average yearly revenue per truck	\$	—	1,300	1,200	7,400	7,300	14,900

TABLE 4. Private Intercity Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:							
Total mileage travelled	'000	50,420	15,599	4,779	7,572	21,740	109,182
Average yearly mileage per truck		10,400	10,000	12,700	9,400	13,100	11,200
Average distance each ton was carried		23.5	24.0	42.4	29.0	14.7	21.4
Percentage of total mileage travelled empty		68.8	52.7	39.3	35.2	42.7	55.4
Fuel:							
Total gallons of gasoline consumed	'000	3,210	1,281	470	934	2,994	10,371
Miles per gallon of gasoline		15.7	12.2	10.2	8.1	7.1	5.6
Total gallons of diesel oil consumed	'000	—	—	—	—	—	143
Miles per gallon of diesel oil		—	—	—	—	—	5.3
Total gallons of other fuel consumed	'000	—	—	—	—	59	59
Miles per gallon of other fuel		—	—	—	—	6.0	6.0
Weight of goods carried:							
Total tons of goods carried	'000	380	246	157	455	4,995	7,870
Average weight carried ¹	ton	0.6	0.8	2.3	2.7	5.9	3.5
Net ton miles:							
Total net ton miles performed	'000	8,936	5,908	6,661	13,195	73,613	168,646
Average net ton miles per truck		1,800	3,800	17,800	16,400	44,300	17,300
Capacity ton miles:							
Total capacity ton miles ²	'000	44,932	25,008	15,920	38,509	175,524	428,588
Average capacity ton miles per truck		9,200	16,100	42,500	47,700	105,500	43,900
Percentage of capacity utilized		19.9	23.6	41.8	34.3	41.9	39.3
Gross ton miles:							
Total gross ton miles ³	'000	93,859	45,276	22,731	43,963	179,298	507,357
Average gross ton miles per truck		19,300	29,100	60,600	54,500	107,800	52,000

**SECTION II. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS WITHIN THE PROVINCE,
JANUARY 1 - DECEMBER 31, 1957**

TABLE 1. All Trucks By Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	45,163	102,026	53,792	215,549	416,530
Average yearly mileage per truck		27,900	10,500	5,300	2,800	4,200
Average distance each ton was carried		112.1	19.1	7.0	12.2	20.8
Percentage of total mileage travelled empty		37.9	55.6	50.9	65.1	58.0
Fuel:						
Total gallons of gasoline consumed	'000	6,584	9,645	4,990	17,774	38,993
Miles per gallon of gasoline		6.4	10.5	10.8	12.1	10.6
Total gallons of diesel oil consumed	'000	415	63	—	—	477
Miles per gallon of diesel oil		6.4	4.9	—	—	6.2
Total gallons of other fuel consumed	'000	40	32	—	—	72
Miles per gallon of other fuel		4.9	6.2	—	—	5.5
Weight of goods carried:						
Total tons of goods carried	'000	2,077	7,727	6,776	9,642	26,222
Average weight carried ¹	ton	8.3	3.3	1.8	1.6	3.1
Net ton miles:						
Total net ton miles performed	'000	232,859	147,717	47,651	117,533	545,810
Average net ton miles per truck		143,900	15,100	4,700	1,500	5,500
Capacity ton miles:						
Total capacity ton miles ²	'000	560,880	389,642	143,839	524,842	1,619,203
Average capacity ton miles per truck		346,700	39,900	14,100	6,800	16,400
Percentage of capacity utilized		41.5	37.9	33.1	22.4	33.7
Gross ton miles:						
Total gross ton miles ³	'000	530,997	460,493	185,637	704,859	1,881,986
Average gross ton miles per truck		328,200	47,200	18,200	9,200	19,100
Revenue:						
Total revenue	\$'000	16,295	—	—	—	—
Revenue per ton mile	¢	7.0	—	—	—	—
Revenue per mile (total mileage travelled)	¢	36.1	—	—	—	—
Average yearly revenue per truck	\$	10,100	—	—	—	—

TABLE 2. All Trucks By Gross Vehicle Weight Groups

	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Mileage:							
Total mileage travelled	'000	123,903	140,342	31,750	34,199	44,174	416,530
Average yearly mileage per truck		5,200	3,500	2,800	2,500	5,700	4,200
Average distance each ton was carried		17.4	11.2	11.9	13.8	14.6	20.8
Percentage of total mileage travelled empty ..		67.3	64.1	53.9	44.2	43.3	58.0
Fuel:							
Total gallons of gasoline consumed	'000	8,309	10,862	2,866	4,104	6,029	38,993
Miles per gallon of gasoline		14.9	12.9	11.1	8.3	7.3	10.6
Total gallons of diesel oil consumed	'000	—	—	—	—	—	477
Miles per gallon of diesel oil		—	—	—	—	—	6.2
Total gallons of other fuel consumed	'000	—	—	—	—	32	72
Miles per gallon of other fuel		—	—	—	—	6.2	4.9
Weight of goods carried:							
Total tons of goods carried	'000	1,065	4,290	2,135	4,385	9,296	26,222
Average weight carried ¹	ton	0.5	1.0	1.7	3.2	5.9	3.1
Net ton miles:							
Total net ton miles performed	'000	18,507	48,146	25,413	60,402	135,753	545,810
Average net ton miles per truck		800	1,200	2,300	4,500	17,400	5,500
Capacity ton miles:							
Total capacity ton miles ²	'000	110,769	264,952	98,288	186,835	347,111	1,619,203
Average capacity ton miles per truck		4,700	6,600	8,800	13,900	44,400	16,400
Percentage of capacity utilized		16.7	18.2	25.9	32.3	39.1	33.7
Gross ton miles:							
Total gross ton miles ³	'000	225,428	411,726	130,689	199,593	346,743	1,881,986
Average gross ton miles per truck		9,500	10,200	11,600	14,800	44,400	19,100

TABLE 3. For Hire Trucks by Gross Vehicle Weight Groups

		0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:								
Total mileage travelled	'000	—	1,668	418	2,574	8,130	32,373	45,163
Average yearly mileage per truck	—	—	20,300	11,900	19,100	24,800	31,200	27,900
Average distance each ton was carried.....	—	—	53.4	6.1	57.6	43.9	146.6	112.1
Percentage of total mileage travelled empty	—	—	39.4	65.5	30.5	38.4	37.9	37.9
Fuel:								
Total gallons of gasoline consumed	'000	—	161	47	295	979	5,102	6,584
Miles per gallon of gasoline	—	—	10.4	8.9	8.7	8.3	5.8	6.4
Total gallons of diesel oil consumed	'000	—	—	—	—	—	415	415
Miles per gallon of diesel oil	—	—	—	—	—	—	6.4	6.4
Total gallons of other fuel consumed	'000	—	—	—	—	—	40	40
Miles per gallon of other fuel	—	—	—	—	—	—	4.9	4.9
Weight of goods carried:								
Total tons of goods carried	'000	—	15	35	109	542	1,376	2,077
Average weight carried ¹	ton	—	0.8	1.5	3.5	4.8	10.0	8.3
Net ton miles:								
Total net ton miles performed	'000	—	801	212	6,280	23,796	201,770	232,859
Average net ton miles per truck	—	—	9,800	6,100	46,500	72,500	194,400	143,900
Capacity ton miles:								
Total capacity ton miles ²	'000	—	2,700	1,465	16,570	63,815	476,330	560,880
Average capacity ton miles per truck	—	—	32,900	41,900	122,700	194,600	458,900	346,700
Percentage of capacity utilized	—	—	29.7	14.5	37.9	37.3	42.4	41.5
Gross ton miles:								
Total gross ton miles ³	'000	—	4,816	1,629	17,159	61,641	445,752	530,997
Average gross ton miles per truck	—	—	58,700	46,500	127,100	187,900	429,400	328,200
Revenue:								
Total revenue	\$'000	—	105	42	978	2,279	12,891	16,295
Revenue per ton mile	¢	—	13.1	19.8	15.6	9.6	6.4	7.0
Revenue per mile (total mileage travelled)	¢	—	6.3	10.0	38.0	28.0	39.8	36.1
Average yearly revenue per truck	\$	—	1,300	1,200	7,200	6,900	12,400	10,100

TABLE 4. Private Intercity Trucks by Gross Vehicle Weight Groups

		0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:								
Total mileage travelled	'000	47,861	14,129	4,290	7,572	20,951	7,223	102,026
Average yearly mileage per truck		9,800	9,100	11,400	9,400	12,600	14,700	10,500
Average distance each ton was carried		23.4	23.1	41.5	29.0	14.4	27.5	19.1
Percentage of total mileage travelled empty		67.5	54.1	38.9	35.2	43.1	46.3	55.6
Fuel:								
Total gallons of gasoline consumed	'000	3,044	1,164	415	934	2,905	1,183	9,645
Miles per gallon of gasoline		15.7	12.1	10.3	8.1	7.1	5.8	10.5
Total gallons of diesel oil consumed	'000	—	—	—	—	—	63	63
Miles per gallon of diesel oil		—	—	—	—	—	4.9	4.9
Total gallons of other fuel consumed	'000	—	—	—	—	32	—	32
Miles per gallon of other fuel		—	—	—	—	6.2	—	6.2
Weight of goods carried:								
Total tons of goods carried	'000	377	245	156	455	4,979	1,515	7,727
Average weight carried ¹	ton	0.6	0.9	2.5	2.7	6.0	10.8	3.3
Net ton miles:								
Total net ton miles performed	'000	8,825	5,653	6,469	13,195	71,853	41,722	147,717
Average net ton miles per truck		1,800	3,600	17,300	16,400	43,200	85,000	15,100
Capacity ton miles:								
Total capacity ton miles ²	'000	42,840	23,016	14,519	38,509	170,175	100,583	389,642
Average capacity ton miles per truck		8,800	14,800	38,700	47,700	102,300	204,900	39,900
Percentage of capacity utilized		20.6	24.6	44.6	34.3	42.2	41.5	37.9
Gross ton miles:								
Total gross ton miles ³	'000	89,422	41,137	21,085	43,963	173,925	90,961	460,493
Average gross ton miles per truck		18,400	26,400	56,200	54,500	104,600	185,300	47,200

TABLE 5. Private Urban Trucks by Gross Vehicle Weight Groups

		0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:								
Total mileage travelled	'000	30,653	9,615	1,875	4,988	4,293	2,368	53,792
Average yearly mileage per truck		5,300	4,600	3,800	5,500	6,800	8,100	5,300
Average distance each ton was carried		14.1	6.3	5.6	7.2	7.4	6.1	7.0
Percentage of total mileage travelled empty		60.9	39.3	24.9	31.5	43.4	43.3	50.9
Fuel:								
Total gallons of gasoline consumed	'000	2,163	804	192	647	677	507	4,990
Miles per gallon of gasoline		14.2	12.0	9.7	7.7	6.3	4.7	10.8
Total gallons of diesel oil consumed	'000	—	—	—	—	—	—	—
Miles per gallon of diesel oil		—	—	—	—	—	—	—
Total gallons of other fuel consumed	'000	—	—	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—	—	—
Weight of goods carried:								
Total tons of goods carried	'000	325	968	368	1,189	1,774	2,152	6,776
Average weight carried ¹	ton	0.4	1.0	1.5	2.5	5.4	9.8	1.8
Net ton miles:								
Total net ton miles performed	'000	4,570	6,058	2,075	8,605	13,123	13,220	47,651
Average net ton miles per truck		800	2,900	4,200	9,500	20,900	45,000	4,700
Capacity ton miles:								
Total capacity ton miles ²	'000	27,919	19,131	6,293	25,931	32,869	31,696	143,839
Average capacity ton miles per truck		4,800	9,100	12,700	28,600	52,300	107,800	14,100
Percentage of capacity utilized		16.4	31.7	33.0	33.2	39.9	41.7	33.1
Gross ton miles:								
Total gross ton miles ³	'000	56,078	30,794	8,245	28,197	33,438	28,885	185,637
Average gross ton miles per truck		9,700	14,600	16,700	31,100	53,200	98,200	18,200

TABLE 6. Private Farm Trucks by Gross Vehicle Weight Groups

		0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
Mileage:								
Total mileage travelled	'000	45,389	114,929	25,168	19,065	10,800	199	215,549
Average yearly mileage per truck		3,500	3,100	2,400	1,600	2,100	8,000	2,800
Average distance each ton was carried		14.1	11.6	10.6	12.3	13.5	109.6	12.2
Percentage of total mileage travelled empty		71.3	67.8	58.4	53.1	47.4	42.4	65.1
Fuel:								
Total gallons of gasoline consumed	'000	3,102	8,733	2,211	2,229	1,467	32	17,774
Miles per gallon of gasoline		14.6	13.2	11.4	8.6	7.4	6.2	12.1
Total gallons of diesel oil consumed	'000	—	—	—	—	—	—	—
Miles per gallon of diesel oil		—	—	—	—	—	—	—
Total gallons of other fuel consumed	'000	—	—	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—	—	—
Weight of goods carried:								
Total tons of goods carried	'000	363	3,062	1,576	2,632	2,001	8	9,642
Average weight carried ¹	ton	0.4	1.0	1.6	3.6	4.7	7.7	1.6
Net ton miles:								
Total net ton miles performed	'000	5,112	35,635	16,656	32,322	26,981	877	117,583
Average net ton miles per truck		400	1,000	1,600	2,800	5,200	35,100	1,500
Capacity ton miles:								
Total capacity ton miles ²	'000	40,010	220,105	76,011	105,825	80,253	2,638	524,842
Average capacity ton miles per truck		3,000	6,000	7,400	9,100	15,400	105,500	6,800
Percentage of capacity utilized		12.8	16.2	21.9	30.5	33.6	33.2	22.4
Gross ton miles:								
Total gross ton miles ³	'000	79,929	334,980	99,729	110,274	77,738	2,209	704,859
Average gross ton miles per truck		6,100	9,100	9,700	9,500	15,000	88,400	9,200

¹ Ton miles divided by miles travelled with load.² Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.³ Gross ton miles performed are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

TABLE 7. Selected Statistics of Intercity Traffic By Gross Vehicle Weight Groups

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
10,000 lbs. and under	15	1,011	801	0.8	53.4	105	13.1
10,001-20,000 lbs.	144	1,932	3,492	3.4	45.1	1,021	15.7
20,001-30,000 lbs.	542	5,005	23,796	4.8	43.9	2,278	9.6
30,001-50,000 lbs.	1,141	15,874	156,725	9.3	137.4	10,017	6.4
50,001 lbs. and over	235	4,228	45,045	10.7	191.7	2,874	6.4
Total	2,077	28,050	232,859	8.3	112.1	16,295	7.0
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lbs. and under	622	22,025	14,478	0.7	23.3		
10,001-20,000 lbs.	611	7,528	19,664	2.6	32.2		
20,001-30,000 lbs.	4,979	11,912	71,853	6.0	14.4		
30,001-50,000 lbs.	1,482	3,840	40,715	10.6	27.5		
50,001 lbs. and over	33	40	1,007	25.2	30.5		
Total	7,727	45,345	147,717	3.3	19.1		

SECTION III. INTRAPROVINCIAL TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS,
JANUARY 1—DECEMBER 31, 1957

TABLE 1. Selected Statistics By Gross Vehicle Weight Groups

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
10,000 lbs. and under	11	880	712	0.8	64.7	94	13.2
10,001-20,000 lbs.	116	1,586	6,026	3.8	51.9	965	10.0
20,001-30,000 lbs.	506	4,717	22,361	4.7	44.2	2,043	9.1
30,001-50,000 lbs.	963	13,203	133,861	10.1	139.0	8,126	6.1
50,001 lbs. and over	120	1,308	14,639	11.2	122.0	1,191	8.1
Total	1,716	21,699	177,599	8.2	103.5	12,419	7.0
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lbs. and under	507	18,385	12,912	0.7	25.5		
10,001-20,000 lbs.	527	7,110	18,724	2.6	35.5		
20,001-30,000 lbs.	4,679	11,347	68,935	6.1	14.7		
30,001-50,000 lbs.	1,381	3,365	35,700	10.6	25.9		
50,001 lbs. and over	32	37	489	13.2	15.3		
Total	7,126	40,244	136,760	3.4	19.2		

TABLE 2. Selected Statistics by Commodity Groups

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products	32	372	2,635	7.1	82.3	150	5.7
Animals and animal products	68	1,871	6,330	3.4	93.1	573	9.1
Mine products	224	189	1,285	6.8	5.7	169	3.2
Forest products	4	87	591	6.8	147.8	43	7.3
Manufactures and miscellaneous	993	13,200	121,257	9.2	122.1	7,857	6.5
N.O.S. general freight	395	5,980	45,501	7.6	115.2	3,627	8.0
Total	1,716	21,699	177,599	8.2	103.5	12,419	7.0
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products	172	480	2,610	5.4	15.2		
Animals and animal products	89	2,504	7,486	3.0	84.1		
Mine products	4,536	4,882	41,868	8.6	9.2		
Forest products	216	1,274	6,060	4.8	28.1		
Manufactures and miscellaneous	1,882	26,806	72,567	2.7	38.6		
N.O.S. general freight	231	4,298	6,169	1.4	26.7		
Total	7,126	40,244	136,760	3.4	19.2		

SECTION IV. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS.
JANUARY 1—DECEMBER 31, 1957

TABLE 1. Tons of Goods Carried

Origin or destination	For hire			Private intercity			Total		
	Into Sask.	Out of Sask.	Total	Into Sask.	Out of Sask.	Total	Into Sask.	Out of Sask.	Total
	'000 tons								
Newfoundland	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—	—	—	—
New Brunswick	—	—	—	—	—	—	—	—	—
Quebec	—	—	—	—	—	—	—	—	—
Ontario	11	3	14	—	—	—	11	3	14
Manitoba	88	50	138	14	5	19	102	55	157
Alberta	41	24	65	14	10	24	55	34	89
British Columbia	—	—	—	3	3	6	3	3	6
United States	—	2	2	4	—	4	4	2	6
Total	140	79	219	35	18	53	175	97	272

TABLE 2. Selected Statistics by Gross Vehicle Weight Groups

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
10,000 lbs. and under	—	—	—	—	—	—	—
10,001-20,000 lbs.	4	125	339	2.7	84.8	31	9.1
20,001-30,000 lbs.	9	427	2,380	5.6	264.4	184	7.7
30,001-50,000 lbs.	119	6,128	58,816	9.6	494.3	3,459	5.9
50,001 lbs. and over	87	3,480	29,771	8.6	342.2	2,049	6.9
Total	219	10,160	91,306	9.0	416.9	5,723	6.3
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lbs. and under	2	903	384	0.4	192.0		
10,001-20,000 lbs.	—	—	—	—	—		
20,001-30,000 lbs.	17	419	2,307	5.5	135.7		
30,001-50,000 lbs.	33	1,424	17,851	12.5	540.9		
50,001 lbs. and over	1	26	199	7.7	199.0		
Total	53	2,772	20,741	7.5	391.3		

TABLE 3. Selected Statistics by Commodity Groups

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products	3	133	1,008	7.6	336.0	56	5.6
Animals and animal products	31	1,308	9,944	7.6	320.8	515	5.2
Mine products	—	—	—	—	—	—	—
Forest products	5	111	1,464	13.2	292.8	23	1.6
Manufactures and miscellaneous	88	4,293	40,739	9.5	462.9	2,373	5.8
N.O.S. general freight	92	4,315	38,151	8.8	414.7	2,756	7.2
Total	219	10,160	91,306	9.0	416.9	5,723	6.3
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products	—	—	—	—	—		
Animals and animal products	8	739	8,592	11.6	1,074.0		
Mine products	—	—	—	—	—		
Forest products	10	77	885	11.5	88.5		
Manufactures and miscellaneous	34	1,696	11,202	6.6	329.5		
N.O.S. general freight	1	260	62	0.2	62.0		
Total	53	2,772	20,741	7.5	391.3		

SECTION V. INTERCITY TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED BUSES INSIDE AND OUTSIDE THE PROVINCE, JANUARY 1- DECEMBER 31, 1957

TABLE 1. By Passenger Seating Capacity

	0-19	20-29	30-39	40 and over	Total
Mileage:					
Total mileage travelled '000	84	—	7,305	3,470	10,859
Average yearly mileage per bus	21,100	—	76,100	123,900	84,800
Average journey (average distance per passenger)	12.9	—	86.8	148.2	104.0
Fuel:					
Total gallons of gasoline consumed '000	5	—	316	112	433
Miles per gallon of gasoline	16.8	—	5.7	4.7	5.6
Total gallons of diesel oil consumed '000	—	—	668	393	1,061
Miles per gallon of diesel oil	—	—	8.2	7.5	8.0
Passengers and passenger miles:					
Total number of passengers carried '000	9	—	1,265	517	1,791
Total number of passenger miles '000	116	—	109,489	76,631	186,236
Average number of passengers carried per mile	1.4	—	15.0	22.1	17.2
Capacity:					
Total capacity seat miles '000	421	—	264,895	142,281	407,597
Percentage of capacity utilized	27.6	—	41.3	53.9	45.7
Revenue:					
Total passenger revenue \$'000	8	—	2,579	1,709	4,296
Revenue per mile (total mileage travelled) ¢	9.5	—	35.3	49.3	39.6
Revenue per passenger mile ¢	6.9	—	2.4	2.2	2.3
Revenue per bus \$	2,000	—	26,900	61,000	33,600

SECTION VI. INTERCITY TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED BUSES WITHIN THE PROVINCE, JANUARY 1- DECEMBER 31, 1957

TABLE 1. By Passenger Seating Capacity

	0-19	20-29	30-39	40 and over	Total
Mileage:					
Total mileage travelled '000	84	—	4,884	1,083	6,051
Average yearly mileage per bus	21,100	—	50,900	38,700	47,300
Average journey (average distance per passenger)	12.9	—	77.8	80.0	77.8
Fuel:					
Total gallons of gasoline consumed '000	5	—	284	112	401
Miles per gallon of gasoline	16.8	—	5.7	4.7	5.5
Total gallons of diesel oil consumed '000	—	—	404	79	483
Miles per gallon of diesel oil	—	—	8.1	7.1	7.9
Passengers and passenger miles:					
Total number of passengers carried '000	9	—	906	258	1,173
Total number of passenger miles '000	116	—	70,446	20,648	91,210
Average number of passengers carried per mile	1.4	—	14.4	19.1	15.1
Capacity:					
Total capacity seat miles '000	421	—	175,342	44,180	219,943
Percentage of capacity utilized	27.6	—	40.2	46.7	41.5
Revenue:					
Total passenger revenue \$'000	8	—	1,875	469	2,352
Revenue per mile (total mileage travelled) ¢	9.5	—	38.4	43.3	38.9
Revenue per passenger mile ¢	6.9	—	2.7	2.3	2.6
Revenue per bus \$	2,000	—	19,500	16,800	18,400

APPENDIX
Sampling Results

Type of operation	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Estimated average Saskatchewan truck population January 1—December 31, 1957							
For hire	—	82	35	135	328	1,038	1,618
Private:							
Intercity	4,863	1,556	375	807	1,663	491	9,755
Urban	5,772	2,104	495	908	629	294	10,202
Farm	13,155	36,630	10,325	11,615	5,198	25	76,948
Total	23,790	40,372	11,230	13,465	7,818	1,848	98,523

Total number of trucks selected in samples

For hire	—	11	7	25	110	377	530
Private:							
Intercity	312	194	71	145	577	183	1,482
Urban	381	275	98	178	238	100	1,270
Farm	855	2,317	1,883	2,104	1,754	9	8,922
Total	1,548	2,797	2,059	2,452	2,679	669	12,204

Number of questionnaires returned completed

For hire	—	7	4	15	69	205	300
Private:							
Intercity	143	98	34	72	193	66	606
Urban	176	137	46	87	82	35	563
Farm	370	1,035	819	608	506	4	3,342
Total	689	1,277	903	782	850	310	4,811

Number of sampled trucks reported not in use during survey week

For hire	—	3	1	5	23	88	120
Private:							
Intercity	72	52	18	44	216	68	470
Urban	91	78	27	56	92	37	381
Farm	285	847	772	1,206	964	3	4,077
Total	448	980	818	1,311	1,295	196	5,048

Number of questionnaires returned incomplete and unusable

For hire	—	1	1	3	16	57	78
Private:							
Intercity	71	30	9	20	107	31	268
Urban	79	42	13	26	40	18	218
Farm	113	175	116	110	93	—	607
Total	263	248	139	159	256	106	1,171

Number of questionnaires not returned (non-respondents)

For hire	—	—	1	2	2	27	32
Private:							
Intercity	26	14	10	9	61	18	138
Urban	35	18	12	9	24	10	108
Farm	87	260	176	180	191	2	896
Total	148	292	199	200	278	57	1,174

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MOTOR TRANSPORT TRAFFIC STATISTICS

PROVINCE OF SASKATCHEWAN

1958

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TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation	4
2. Net Ton Miles by Type of Operation	4
Introduction	5
Section I. Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province, January 1 – December 31, 1958.	
Table 1. All Trucks by Type of Operation	7
Table 2. All Trucks by Gross Vehicle Weight Groups	7
Table 3. Selected Statistics of Intercity Traffic by Gross Vehicle Weight Groups	8
Section II. Traffic Performed by Saskatchewan Registered Trucks Within the Province, January 1 – December 31, 1958.	
Table 1. All Trucks by Type of Operation	8
Table 2. All Trucks by Gross Vehicle Weight Groups	9
Section III. Intraprovincial Traffic Performed by Saskatchewan Registered Trucks, January 1 – December 31, 1958.	
Table 1. Selected Statistics By Gross Vehicle Weight Groups	9
Table 2. Selected Statistics By Commodity Groups	10
Section IV. Interprovincial and International Traffic Performed by Saskatchewan Registered Trucks, January 1 – December 31, 1958.	
Table 1. Origin and Destination.....	10
Table 2. Selected Statistics By Commodity Groups	11
Section V. Traffic Performed by Saskatchewan Registered Buses Inside and Outside the Province, January 1 – December 31, 1958.	
Table 1. By Passenger Seating Capacity	11
Section VI. Traffic Performed by Saskatchewan Registered Buses Within the Province January 1 – December 31, 1958.	
Table 1. By Passenger Seating Capacity	12
Appendix 1. A. Population B. Survey Response.....	12
Appendix 2. Reliability of Motor Transport Traffic Statistics.....	13

PROVINCE OF SASKATCHEWAN
JANUARY 1 - DECEMBER 31, 1958

CHART-1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

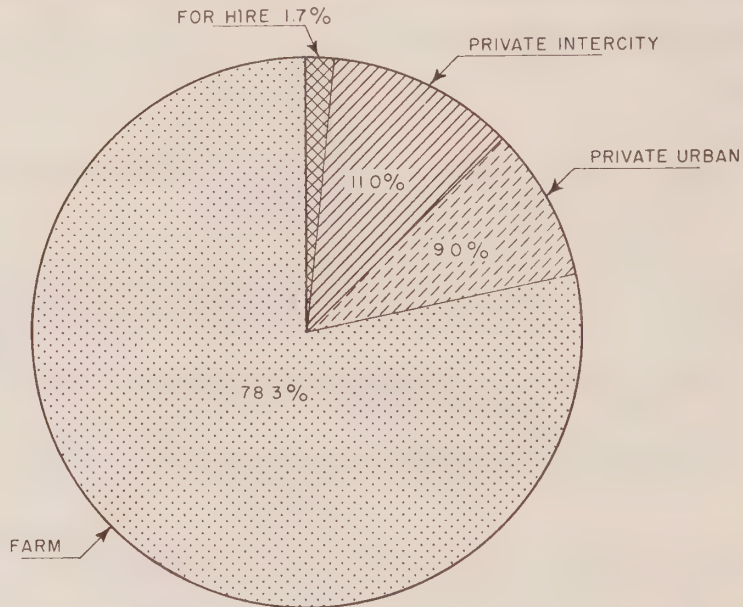
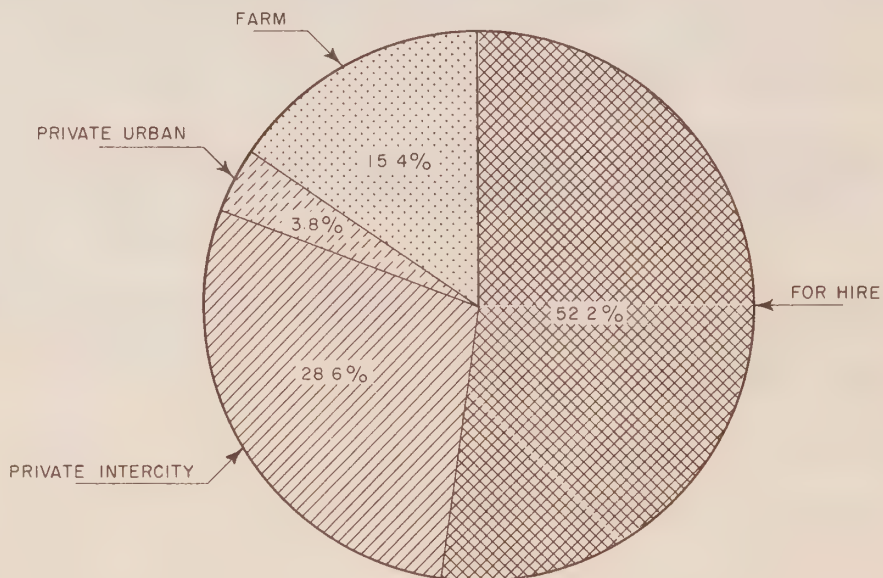


CHART-2

NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

The 1958 annual report of motor transport traffic in the Province of Saskatchewan is based upon a sample of approximately 13 per cent of trucks and 43 per cent of intercity buses registered in the province. To allow for seasonal variations in traffic and to ensure that the selected vehicles represented current registrations, the sample was selected in four quarterly segments with approximately one-fourth of the total selected each quarter. Beginning in the second quarter of 1958, each quarterly sample was spread over three survey weeks with one-third of the sample being used for a seven day period, Sunday through Saturday, per month. Previously each quarterly sample was concentrated in one survey week so that the total sample for the year was spread over only four weeks. Statistics compiled for 1958, therefore, have been based on surveys spread over ten weeks. As a result a much better representation of truck traffic has been obtained.

All trucks and buses registered in the province are represented except: (a) those not engaged in transportation services; (b) buses utilized for scheduled urban transit and school buses; (c) military and other government-owned vehicles. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including the power units or tractors in the survey.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight groups. The four functional categories used are: for-hire, private intercity, private urban and farm. For-hire vehicles are those operated for compensation or gain according to licence; private intercity vehicles are those owned and operated by firms and individuals on intercity routes to transport their own goods; private urban vehicles are those operated predominantly within urban areas; and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

Expansion of Survey Results

The distribution of sample vehicles by gross vehicle weight groups and by type of operation was used to provide population estimates as at the time of the sample selection. Sample results were then expanded to represent the operations of all trucks registered in the province by multiplying the sample

In Saskatchewan trucks operated provincially for compensation are classed as "Public Service Vehicles". Public service vehicles used for transporting general merchandise over a given route or for certified chartered operations are issued with an "A" licence, while those restricted to transporting specified commodities provincially are provided with an "E" licence. Vehicles owned and operated by farmers and used for their own farm operations are classified as farm vehicles and issued with an "F" licence. All other trucks are classified as commercial vehicles and are issued with a "C" licence if used within a radius of 35 miles of the owner's headquarters or a "D" licence if operated provincially.

In this report vehicles have been classified into the four functional categories as follows:

For-hire	— "A" and "E" licensed vehicles.
Private-intercity	— "C" and "D" licensed vehicles operating predominantly outside urban areas.
Private-urban	— "C" and "D" licensed vehicles operating predominantly within urban areas.
Farm	— "F" licensed vehicles.

It is known that some "C" and "D" licensed trucks are operated for compensation but these vehicles were not included in the for-hire category. As a result, the for-hire data are understated by the extent of these operations.

Further information on the history and the organization of motor transport traffic surveys may be found in the report entitled "Motor Transport Traffic Statistics, National Estimates."

results by the inverse ratio of the sample to the population and by the ratio of three months to one week. The expanded data for each of the four quarterly segments were added together to obtain annual provincial estimates.

Review of Survey Results

Excluding vehicles which do not perform transportation services, the average number of trucks registered in Saskatchewan during the year was 100,970. Of these 1,685 or 1.7 per cent were for-hire carriers; 11,125 or 11.0 per cent were private intercity vehicles; 9,095 or 9.0 per cent were private vehicles operating predominantly within urban areas; and 79,065 or 78.3 per cent were farm trucks.

In the tables presented herein blanks appear in a number of weight classifications where no vehicles were chosen in any of the quarterly sample selections. It does not necessarily follow that there are no vehicles in the province belonging to these classifications.

Section 1: Traffic Inside and Outside the Province

Section 1 contains estimates of total traffic performed by all Saskatchewan registered trucks both inside and outside the province.

Although comprising only 1.7 per cent of Saskatchewan's truck population, for-hire vehicles accounted for 52.2 per cent of total net ton miles and 8.8 per cent of total tons of goods carried during 1958. This results from the high average yearly mileage of these trucks, 40,900 as compared with 4,600 miles for all trucks, and from the heavy average load carried (9.2 tons as compared with 4.4 for all trucks). The heavier loads carried by for-hire trucks are to be expected since over four-fifths of these vehicles have a gross weight of over 10 tons. The predominance of heavier vehicles in the for-hire class also explains the low miles per gallon of gasoline estimate of 6.1 as compared with a ratio of 9.8 for all trucks.

It is estimated that less than 1 per cent of the total net ton miles performed by for-hire trucks inside and outside of Saskatchewan was urban operations. This does not include the urban portion of intercity trips.

Some trucks in Saskatchewan are used essentially for personal transportation. Such vehicles account for about 13 per cent of the total mileage travelled by Saskatchewan registered trucks.

Section 2: Traffic Within the Province

This section presents estimates of traffic performed by Saskatchewan registered trucks entirely inside the province and excludes the "outside the province" portion of interprovincial and international traffic as well as any traffic performed entirely outside the province. Comparing the data in Section 1 and Section 2 it will be noted that for-hire vehicles accumulated 32.6 per cent and private intercity 13.7 per cent of their total net ton miles outside of Saskatchewan.

Section 3: Intraprovincial Traffic

This section includes statistics of for-hire and private intercity operations originating and terminating entirely inside the boundaries of Saskatchewan.

It is estimated that of the total net ton miles performed by both for-hire and private intercity trucks, manufactured products accounted for 69.3 and 45.8 per cent respectively of the commodities carried.

Section 4: Interprovincial and International Traffic

Estimates indicate that more than three-fifths of the total tons of goods carried by Saskatchewan registered for-hire trucks in interprovincial and international traffic was transferred to or from Manitoba, and, that almost one-fourth of the total net ton miles performed and the revenue earned by for-hire trucks was in interprovincial and international traffic.

Sections 5 and 6: Intercity Bus Traffic

Section 5 provides estimates of intercity bus traffic both inside and outside the province while Section 6 covers traffic within the province only. Almost two-thirds of the total passenger miles performed and revenue earned by Saskatchewan registered buses was estimated to be outside the boundaries of the province. This situation occurs because a large percentage of buses was licensed in other provinces as well and travelled extensively outside the province during the survey weeks.

Appendix 1

During the year survey questionnaires were sent to the owners or operators of 12,793 trucks. Of this number 4,429 were returned completed and 5,399 were reported not used during the survey week. In addition 1,112 were returned with insufficient information. Non-response totalled 1,853 or 14.5 per cent.

Reliability of Motor Transport Traffic Statistics

(a) Non-Sampling variability

A certain amount of variance in motor transport traffic statistics will arise from non-sampling factors including improper reporting by the respondent due to misinterpretation of questions or deliberate misstatements. Also, the respondent may not keep accurate records of traffic performed. The effect of these factors cannot be measured without a further follow-up and re-enumeration of the statistics reported.

(b) Sampling Variability

Estimates of the sampling error have, however, been calculated for the following class totals (see Appendix 2): (1) mileage travelled (2) weight of

goods carried (3) net ton miles and (4) revenue earned. These calculations have been made using a confidence limit of two standard deviations (i.e. allowing 95 out of 100 chances that the stated range contains the true value). The stability of the data varies according to the type of statistics involved and the number of trucks reporting in each category. Hence statistics of class totals are considered more reliable than those for any particular weight group. Of the various types of data presented, the most stable statistics were "total mileage travelled" while variability seemed greatest for "weight of goods carried". This is understandable when we consider that trucks may travel with little or no load so that there is a naturally wide range of weights carried.

**SECTION I. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 - DECEMBER 31, 1958**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	68,969	128,342	48,316	217,564	463,191
Average yearly mileage per truck		40,900	11,500	5,300	2,800	4,600
Average distance each ton was carried		178.5	22.3	7.2	12.5	30.0
Percentage of total mileage travelled empty		30.4	55.3	52.8	70.4	58.7
Fuel:						
Total gallons of gasoline consumed	'000	9,822	13,241	4,282	18,675	46,020
Miles per gallon of gasoline		6.1	9.6	11.3	11.7	9.8
Total gallons of diesel oil consumed	'000	1,407	182	—	—	1,589
Miles per gallon of diesel oil		6.5	6.6	—	—	6.5
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	2,460	10,801	4,459	10,355	28,075
Average weight carried ¹	ton	9.2	4.2	1.4	2.0	4.4
Net ton miles:						
Total net ton miles performed	'000	439,126	240,434	31,943	129,934	841,437
Average net ton miles per truck		260,600	21,600	3,500	1,600	8,300
Capacity ton miles:						
Total capacity ton miles ²	'000	940,752	611,711	106,784	549,212	2,208,459
Average capacity ton miles per truck		558,300	55,000	11,700	6,900	21,900
Percentage of capacity utilized		46.7	39.3	29.9	23.7	38.1
Gross ton miles:						
Total gross ton miles ³	'000	950,491	679,666	156,739	728,814	2,515,710
Average gross ton miles per truck		564,100	61,100	17,200	9,200	24,900
Revenue:						
Total revenue	\$'000	26,740	—	—	—	—
Revenue per ton mile	¢	6.1	—	—	—	—
Revenue per mile (total mileage travelled)	¢	38.8	—	—	—	—
Average revenue per truck	\$	15,900	—	—	—	—
Average annual population		1,685	11,125	9,095	79,065	100,970

TABLE 2. All Trucks by Gross Vehicle Weight Groups

		0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Mileage:								
Total mileage travelled	'000	131,068	139,315	32,789	33,459	48,267	78,293	463,191
Average yearly mileage per truck		5,300	3,400	2,800	2,500	5,500	39,800	4,600
Average distance each ton was carried		18.1	11.5	11.2	14.4	17.3	69.3	30.0
Percentage of total mileage travelled empty		71.2	68.7	57.3	49.5	44.3	32.9	58.7
Fuel:								
Total gallons of gasoline consumed	'000	9,014	11,261	3,249	3,944	6,708	11,844	46,020
Miles per gallon of gasoline		14.5	12.4	10.1	8.5	7.2	5.7	9.8
Total gallons of diesel oil consumed	'000	—	—	—	—	—	1,589	1,589
Miles per gallon of diesel oil		—	—	—	—	—	6.5	6.5
Total gallons of other fuel consumed	'000	—	—	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—	—	—
Weight of goods carried:								
Total tons of goods carried	'000	1,026	4,145	2,341	4,224	8,538	7,801	28,075
Average weight carried ¹	ton	0.5	1.1	1.9	3.6	5.5	10.3	4.4
Net ton miles:								
Total net ton miles performed	'000	18,601	47,780	26,244	60,799	147,287	540,726	841,437
Average net ton miles per truck		800	1,200	2,200	4,600	16,800	274,800	8,300
Capacity ton miles:								
Total capacity ton miles ³	'000	118,598	263,451	100,444	186,308	372,997	1,166,661	2,208,459
Average capacity ton miles per truck		4,800	6,500	8,600	14,000	42,600	592,800	21,900
Percentage of capacity utilized		15.7	18.1	26.1	32.6	39.5	46.3	38.1
Gross ton miles:								
Total gross ton miles ⁴	'000	243,661	408,856	136,032	195,438	377,399	1,154,324	2,515,710
Average gross ton miles per truck		9,800	10,100	11,600	14,700	43,100	586,500	24,900
Average annual population		24,765	40,514	11,685	13,275	8,763	1,968	100,970

TABLE 3. Selected Statistics of Intercity Traffic by Gross Vehicle Weight Groups

	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
20,000 lbs. and under	101	2, 250	4, 410	2. 0	43. 8	693	15. 7
20,001-30,000 lbs.	438	5, 167	22, 295	4. 3	50. 9	2, 123	9. 5
30,001-50,000 lbs.	1, 284	25, 125	232, 659	9. 3	181. 2	14, 506	6. 2
50,001 lbs. and over	637	15, 435	179, 762	11. 6	282. 1	9, 418	5. 2
Total.....	2, 460	47, 977	439, 126	9. 2	178. 5	26, 740	6. 1
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
	10,000 lbs. and under	645	26, 122	19, 598	0. 8	30. 4	
10,001-20,000 lbs.	868	6, 829	19, 317	2. 8	22. 2		
20,001-30,000 lbs.	4, 728	13, 522	83, 201	6. 2	17. 6		
30,001 lbs. and over	4, 560	10, 946	118, 318	10. 8	25. 9		
Total	10, 801	57, 419	240, 434	4. 2	22. 3		

**SECTION II. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS WITHIN THE PROVINCE
JANUARY 1 - DECEMBER 31, 1958**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled.....	'000	51,119	122,488	48,316	217,564	439,487
Average yearly mileage per truck		30,300	11,000	5,300	2,800	4,400
Average distance each ton was carried		126.6	19.7	7.2	12.5	24.0
Percentage of total mileage travelled empty		34.4	56.5	52.8	70.4	60.4
Fuel:						
Total gallons of gasoline consumed	'000	7,475	12,424	4,282	18,675	42,856
Miles per gallon of gasoline.....		6.2	9.8	11.3	11.7	10.1
Total gallons of diesel oil consumed	'000	693	81	—	—	774
Miles per gallon of diesel oil.....		6.5	6.6	—	—	6.5
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel.....		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	2,337	10,524	4,459	10,355	27,675
Average weight carried ¹	ton	8.8	3.9	1.4	2.0	3.8
Net ton miles:						
Total net ton miles performed	'000	295,885	207,581	31,943	129,934	665,343
Average net ton miles per truck.....		175,600	18,700	3,500	1,600	6,600
Capacity ton miles:						
Total capacity ton miles ²	'000	673,595	546,848	106,784	549,212	1,876,439
Average capacity ton miles per truck		399,800	49,200	11,700	6,900	18,600
Percentage of capacity utilized.....		43.9	38.0	29.9	23.7	35.5
Gross ton miles:						
Total gross ton miles ³	'000	659,897	609,180	156,739	728,814	2,154,630
Average gross ton miles per truck		391,600	54,800	17,200	9,200	21,300
Revenue:						
Total revenue	\$'000	18,428	—	—	—	—
Revenue per ton mile.....	¢	6.2	—	—	—	—
Revenue per mile (total mileage travelled)	¢	36.0	—	—	—	—
Average revenue per truck	\$	10,900	—	—	—	—
Average annual population		1,685	11,125	9,095	79,065	100,970

TABLE 2. All Trucks by Gross Vehicle Weight Groups

	0-2 ½ tons 0-5,000 lbs.	2 ½-5 tons 5,001-10,000 lbs.	5-7 ½ tons 10,001-15,000 lbs.	7 ½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Mileage:							
Total mileage travelled '000	131,068	138,955	32,562	32,505	46,374	58,023	439,487
Average yearly mileage per truck.....	5,300	3,400	2,800	2,400	5,300	29,500	4,400
Average distance each ton was carried.....	18.1	11.2	10.9	14.1	16.9	49.3	24.0
Percentage of total mileage travelled empty.....	71.2	68.2	57.5	49.9	44.6	37.5	60.4
Fuel:							
Total gallons of gasoline consumed '000	9,014	11,227	3,222	3,821	6,449	9,123	42,856
Miles per gallon of gasoline '000	14.5	12.4	10.1	8.5	7.2	5.8	10.1
Total gallons of diesel oil consumed '000	—	—	—	—	—	774	774
Miles per gallon of diesel oil '000	—	—	—	—	—	6.5	6.5
Total gallons of other fuel consumed '000	—	—	—	—	—	—	—
Miles per gallon of other fuel '000	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried '000	1,026	4,141	2,336	4,198	8,372	7,602	27,675
Average weight carried ¹ ton	0.5	1.0	1.8	3.6	5.5	10.3	3.8
Net ton miles:							
Total net ton miles performed '000	18,601	46,358	25,429	59,010	141,163	374,782	665,343
Average net ton miles per truck '000	800	1,100	2,200	4,400	16,100	190,400	6,600
Capacity ton miles:							
Total capacity ton miles ² '000	118,598	261,965	98,972	181,349	359,764	855,791	1,876,439
Average capacity ton miles per truck '000	4,800	6,500	8,500	13,700	41,100	434,900	18,600
Percentage of capacity utilized '000	15.7	17.7	25.7	32.5	39.2	43.8	35.5
Gross ton miles:							
Total gross ton miles ³ '000	243,661	405,966	134,419	189,634	359,983	820,967	2,154,630
Average gross ton miles per truck '000	9,800	10,000	11,500	14,300	41,100	417,200	21,300
Average annual population '000	24,765	40,514	11,685	13,275	8,763	1,968	100,970

¹ Ton miles divided by miles travelled with load.² Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.³ Gross ton miles are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

SECTION III. INTRAPROVINCIAL TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS JANUARY 1 — DECEMBER 31, 1958

TABLE 1. Selected Statistics by Gross Vehicle Weight Groups

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
20,000 lbs. and under.....	84	2,020	3,993	2.0	47.6	601	15.1
20,001-30,000 lbs.	354	4,677	19,909	4.3	56.3	1,836	9.2
30,001-50,000 lbs.	1,145	15,727	158,804	10.1	138.8	9,457	6.0
50,001 lbs. and over	286	3,950	42,789	10.8	149.7	2,321	5.4
Total	1,869	26,374	225,495	8.5	120.6	14,215	6.3
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lbs. and under.....	461	22,387	15,847	0.7	34.3		
10,001-20,000 lbs.	671	5,515	15,649	2.8	23.3		
20,001-30,000 lbs.	4,190	11,177	69,937	6.3	16.7		
30,001 lbs. and over.....	4,178	7,938	84,448	10.6	20.2		
Total	9,500	47,017	185,881	4.0	19.6		

TABLE 2. Selected Statistics by Commodity Groups

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products	74	620	4,038	6.5	54.7	244	6.0
Animals and animal products	114	2,209	9,432	4.3	83.0	867	9.2
Mine products	40	105	869	8.3	21.4	75	8.7
Forest products	14	110	1,209	11.0	85.8	68	5.6
Manufactures and miscellaneous	1,227	16,104	156,270	9.7	127.4	8,929	5.7
N.O.S. general freight	400	7,226	53,677	7.4	134.0	4,032	7.5
Total	1,869	26,374	225,495	8.5	120.6	14,215	6.3
Private intercity							
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products	192	942	4,825	5.1	25.1		
Animals and animal products	95	2,978	8,246	2.8	86.4		
Mine products	7,198	7,243	71,484	9.9	9.9		
Forest products	114	1,139	9,650	8.5	84.9		
Manufactures and miscellaneous	1,705	32,801	85,098	2.6	49.9		
N.O.S. general freight	196	1,914	6,578	3.4	33.6		
Total	9,500	47,017	185,881	4.0	19.6		

SECTION IV. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS, JANUARY 1-DECEMBER 31, 1958

TABLE 1. Origin and Destination

Origin or destination	For hire			Private intercity			Total		
	Into	Out of	Total	Into	Out of	Total	Into	Out of	Total
	'000 tons								
Newfoundland	—	—	—						
Prince Edward Island	—	—	—						
Nova Scotia	—	—	—						
New Brunswick	—	—	—						
Quebec	—	—	—	1	1	1	1	1	1
Ontario	5	14	19						
Manitoba	101	95	196						
Alberta	31	23	54						
British Columbia	1	—	1						
United States	3	7	10						
Total	141	139	280						

¹ Reliable statistics not available.

TABLE 2. Selected Statistics by Commodity Groups

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products	20	510	5,570	10.9	285.3	192	3.4
Animals and animal products	41	1,637	16,094	9.8	392.0	713	4.4
Mine products	—	—	—	—	—	—	—
Forest products	2	200	916	4.6	409.3	54	5.9
Manufactures and miscellaneous	70	4,390	41,688	9.5	592.8	2,552	6.1
N.O.S. general freight	147	4,271	44,149	10.3	301.0	2,909	6.6
Total	280	11,008	108,417	9.8	387.5	6,420	5.9
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products							
Animals and animal products							
Mine products	1	1	1	1	1		
Forest products							
Manufactures and miscellaneous							
N.O.S. general freight							
Total							

¹ Reliable statistics not available.

SECTION V. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED BUSES INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1—DECEMBER 31, 1958

TABLE 1. By Passenger Seating Capacity

	0-19	20-29	30-39	40 and over	Total
Mileage:					
Total mileage travelled	'000	—	6,974	3,878	10,852
Average yearly mileage per bus	—	—	89,400	99,400	89,700
Average journey (average distance per passenger)	—	—	105.4	139.1	116.8
Fuel:					
Total gallons of gasoline consumed	'000	—	30	13	43
Miles per gallons of gasoline	—	—	6.4	5.0	6.0
Total gallons of diesel oil consumed	'000	—	760	487	1,247
Miles per gallon of diesel oil	—	—	8.9	7.8	8.5
Total gallons of other fuel consumed	'000	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—
Passengers and passenger miles:					
Total number of passengers carried	'000	—	1,122	574	1,696
Total number of passenger miles	'000	—	118,324	79,814	198,138
Average number of passengers carried per mile	—	—	17.0	20.6	18.3
Capacity:					
Total capacity seat miles	'000	—	257,868	157,455	415,323
Percentage of capacity utilized	—	—	45.9	50.7	47.7
Revenue:					
Total passenger revenue	\$'000	—	3,068	1,879	4,947
Revenue per mile (total mileage travelled)	¢	—	44.0	48.5	45.6
Revenue per passenger mile	¢	—	2.6	2.4	2.5
Revenue per bus	\$	—	39,300	48,200	40,900

**SECTION VI. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED BUSES WITHIN THE PROVINCE
JANUARY 1 - DECEMBER 31, 1958**

TABLE 1. By Passenger Seating Capacity

	0-19	20-29	30-39	40 and over	Total
Mileage:					
Total mileage travelled..... '000	—	—	3,164	739	3,903
Average yearly mileage per bus.....	—	—	40,600	19,000	32,300
Average journey (average distance per passenger)....	—	—	93.8	114.1	98.2
Fuel:					
Total gallons of gasoline consumed..... '000	—	—	7	13	20
Miles per gallon of gasoline.....	—	—	6.1	5.0	5.4
Total gallons of diesel oil consumed..... '000	—	—	352	92	444
Miles per gallon of diesel oil.....	—	—	8.9	7.4	8.6
Total gallons of other fuel consumed..... '000	—	—	—	—	—
Miles per gallon of other fuel.....	—	—	—	—	—
Passengers and passenger miles:					
Total number of passengers carried..... '000	—	—	548	152	700
Total number of passenger miles..... '000	—	—	51,457	17,326	68,783
Average number of passengers carried per mile.....	—	—	16.3	23.4	17.6
Capacity:					
Total capacity seat miles..... '000	—	—	116,893	30,304	147,197
Percentage of capacity utilized.....	—	—	44.0	57.2	46.7
Revenue:					
Total passenger revenue..... \$'000	—	—	1,310	399	1,709
Revenue per mile (total mileage travelled)..... ¢	—	—	41.4	54.0	43.8
Revenue per passenger mile..... ¢	—	—	2.5	2.3	2.5
Revenue per bus..... \$	—	—	16,800	10,200	14,100

Appendix 1

Type of operation	A. Population						
	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
For hire Private: Intercity Urban ... Farm Total.....	Estimated average Saskatchewan truck population January 1—December 31, 1958						
	—	105	40	130	308	1,102	1,685
	5,349	2,048	495	922	1,677	634	11,125
	5,346	1,776	485	703	603	182	9,095
	14,070	36,585	10,665	11,520	6,175	50	79,065
	24,765	40,514	11,685	13,275	8,763	1,968	100,970
	B. Survey response						
	Total number of trucks selected in samples	Number of questionnaires returned completed		Number of sampled trucks reported not in use during survey week		Number of questionnaires not returned or returned incomplete and unusable	
	541	294		124		123	
	1,706	728		534		444	
	1,080	483		310		287	
	9,446	2,924		4,431		2,111	
12,793	4,429		5,399		2,965		

Appendix 2. Reliability of Motor Transport Traffic Statistics

	Number of trucks reporting	Survey estimates	Sampling variability (two standard deviations)		Range (Col. 2 plus and minus col. 3)	
			Size	Per cent of col. 2	Lower limit	Upper limit
	(1)	'000 (2)	'000 (3)	(4)	'000 (5)	'000 (6)
A. Traffic performed within the province¹						
Total mileage travelled						
		miles	miles		miles	miles
For hire	275	51,119	3,681	7.2	47,438	54,800
Private:						
Intercity	712	122,488	9,554	7.8	112,934	132,042
Urban	483	48,316	4,445	9.2	43,871	52,761
Farm	2,923	217,564	9,138	4.2	208,426	226,702
Total	4,393	439,487	14,064	3.2	425,423	453,551
Weight of goods						
		tons	tons		tons	tons
For hire	271	2,337	215	9.2	2,122	2,552
Private:						
Intercity	541	10,524	2,084	19.8	8,440	12,608
Urban	371	4,459	794	17.8	3,665	5,253
Farm	2,051	10,355	683	6.6	9,672	11,038
Total	3,234	27,675	1,993	7.2	25,682	29,668
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire	271	295,885	27,221	9.2	268,664	323,106
Private:						
Intercity	541	207,581	24,079	11.6	183,502	231,660
Urban	363	31,943	5,430	17.0	26,513	37,373
Farm	2,000	129,934	9,355	7.2	120,579	139,289
Total	3,175	665,343	34,598	5.2	630,745	699,941
Revenue earned						
		\$	\$		\$	\$
For hire	271	18,428	1,695	9.2	16,733	20,123
B. Interprovincial and international traffic						
Weight of goods						
		tons	tons		tons	tons
For hire	45	280	59	21.2	221	339
Net ton miles						
		net ton miles	net ton miles		net ton miles	net ton miles
For hire	45	108,417	15,395	14.2	93,022	123,812

¹ Estimates for traffic "inside and outside the province" are considered to be more reliable while the estimates for "intraprovincial" traffic should be equally reliable.

Note: The chances are 95 out of 100 that the range (sample estimate \pm sampling variability) contains the true value. Consider "total mileage travelled" by for-hire trucks. It can be assumed that the computed figure 51,119,000 miles, will not be more than 3,681,000 miles (plus or minus 7.2 per cent of 51,119,000) away from the "true" value in 95 out of 100 cases. In other words, the chances are 95 out of 100 that the true value will fall within a range of 47,438,000 to 54,800,000.

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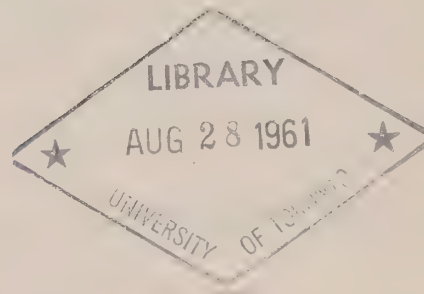
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CANADA

MOTOR TRANSPORT TRAFFIC
PROVINCE OF SASKATCHEWAN
1959



Published by Authority of
The Honourable George Hees, Minister of Trade and Commerce

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ROAD TRANSPORT

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TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation	4
2. Net Ton Miles by Type of Operation	4
Introduction	5
Section 1. Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province, January 1—December 31, 1959.	
Table 1. All Trucks by Type of Operation	7
Table 2. All Trucks by Gross Vehicle Weight Group	7
Table 3. Selected Statistics by Gross Vehicle Weight Group	8
Section II. Traffic Performed by Saskatchewan Registered Trucks Within the Province, January 1—December 31, 1959.	
Table 4. All Trucks by Type of Operation	8
Table 5. All Trucks by Gross Vehicle Weight Group	9
Section III. Interprovincial and International Traffic Performed by Saskatchewan Registered Trucks, January 1—December 31, 1959.	
Table 6. Tons of Goods Carried by Province of Origin and Destination	9
Table 7. Selected Statistics by Commodity Group	10
Appendix. A. Population B. Survey Response	10

PROVINCE OF SASKATCHEWAN
JANUARY 1-DECEMBER 31, 1959

CHART-1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

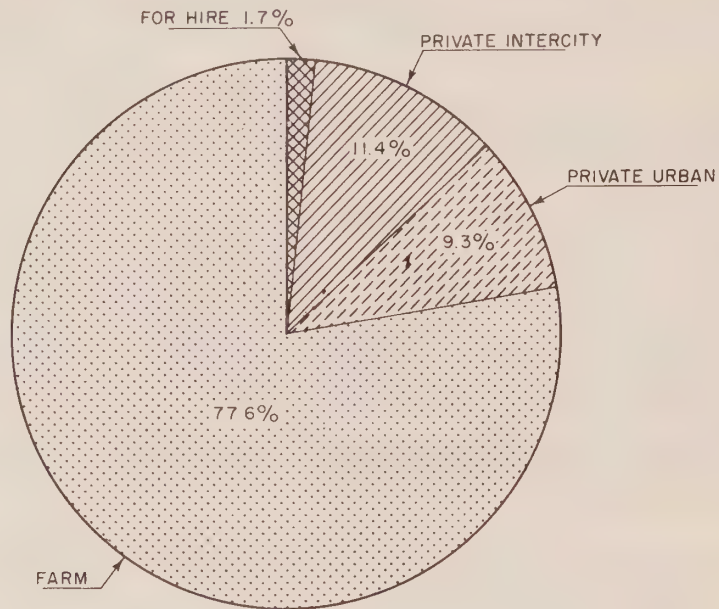
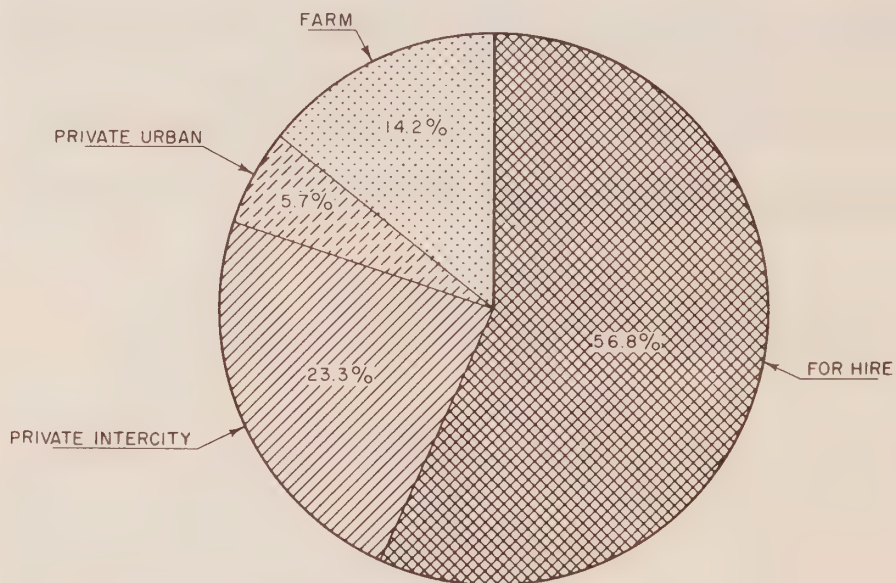


CHART-2

NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

The 1959 annual report of motor transport traffic in the Province of Saskatchewan is based upon a sample of approximately 12 per cent of trucks registered in the province. To allow for seasonal variations in traffic and to ensure that the selected vehicles represented current registrations the sample was selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample was spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month. The surveys were therefore spread over twelve weeks during the year.

All trucks registered in the province are represented except: (a) those not engaged in transportation services; and (b) military and other government-owned vehicles. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including the power units or tractors in the survey.

Prior to 1959 a sample survey of intercity buses was conducted in conjunction with the truck traffic survey. However, it was not possible to survey buses in all provinces and, as some traffic data are also collected for the annual publication "Passenger Bus Statistics", catalogue no. 53-215, it was decided to discontinue the sample survey of buses for the present.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain according to licence; private intercity vehicles are those owned and operated by firms and individuals on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas; and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

In Saskatchewan trucks operated provincially for compensation are classed as "Public Service Vehicles". Public service vehicles used for transporting general merchandise over a given route or for certified chartered operations are issued with an "A" licence, while those restricted to transporting specified commodities provincially are provided with an "E" licence. Vehicles owned and operated by farmers and used for their own farm operations are classified as farm vehicles and issued with an "F" licence. All other trucks are classified as commercial vehicles and are issued with a "C" licence if used within a radius of 35 miles of the owner's headquarters or a "D" licence if operated provincially.

In this report vehicles have been classified into the four functional categories as follows:

- | | |
|-------------------|--|
| For hire | — "A" and "E" licensed vehicles. |
| Private intercity | — "C" and "D" licensed vehicles operating outside urban areas. |
| Private urban | — "C" and "D" licensed vehicles operating only within urban areas. |
| Farm | — "F" licensed vehicles. |

It is known that some "C" and "D" licensed trucks are operated for compensation but these vehicles were not included in the for hire category. As a result, the for hire data are understated by the extent of these operations.

Further information on the history and the organization of motor transport traffic surveys may be found in the reports entitled "Motor Transport Traffic, National Estimates", catalogue no. 53-207, for 1957 and 1958.

Expansion of Survey Results

Prior to 1959 the distribution of sample vehicles by gross vehicle weight group and by type of operation was used to provide population estimates as at the time of the sample selection. Sample results were then expanded to represent the operations of all trucks registered in the province by multiplying the sample results by the inverse ratio of the sample to the population and by the ratio of three months to one week. The expanded data for each of the four quarterly segments were added together to obtain annual provincial estimates.

To improve the accuracy of the provincial estimates, it was decided to use, for 1959, the peak

registration population in calculating the blow-up factor rather than the population as at four different periods during the year.

Unfortunately time has not permitted calculations of the reliability of these estimates similar to those published in the 1958 report. It should also be noted that the section dealing exclusively with trips originating and terminating within the province has been omitted from this report for the purposes of simplification.

Review of Survey Results

The estimated population of trucks performing transportation services in Saskatchewan during the year rose 2.9 per cent to 103,860 from 100,970 in 1958. Of these 1,830 or 1.7 per cent were for hire trucks; 11,813 or 11.4 per cent were private inter-city vehicles; 9,657 or 9.3 per cent were private vehicles operating wholly within urban areas; and 80,560 or 77.6 per cent were farm trucks.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However in one or two cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected it does not necessarily follow that there were no vehicles in the province belonging to these classifications.

Section I: Traffic Inside and Outside the Province

Section I contains estimates of total traffic performed both inside and outside the province by Saskatchewan registered trucks.

Although comprising only 1.7 per cent of Saskatchewan's truck population, for hire vehicles accounted for 56.8 per cent of the total net ton miles and 9.8 per cent of the total tons of goods carried during 1959. This results from the high average yearly mileage of these trucks, 40,000 miles as compared with 4,200 miles for all trucks, and from the heavy average load carried of 9.5 tons compared to 4.4 tons for all trucks. Since over four fifths of all for hire vehicles have a gross vehicle weight of over 10 tons the heavier loads carried by these trucks are to be expected. The predominance

of heavier vehicles in the for hire class also explains the low estimate of miles per gallon of gasoline, 6.3 compared with 10.1 for all trucks.

It is estimated that less than 1 per cent of the total net ton miles performed by Saskatchewan registered for hire trucks was in urban operations.

Some trucks in Saskatchewan under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for about 16 per cent of the total mileage travelled by Saskatchewan registered trucks.

Section II: Traffic Within the Province

This section presents estimates of traffic performed by Saskatchewan registered trucks entirely inside the province and excludes the "outside the province" portion of interprovincial and international traffic as well as any traffic performed entirely outside the province. Comparing the data in Section I and Section II it will be noted that for hire vehicles accumulated 32.1 per cent and private inter-city 6.0 per cent of their total net ton miles outside Saskatchewan.

Section III: Interprovincial and International Traffic

Interprovincial and international traffic accounted for a significant proportion of the total traffic performed by for hire vehicles, representing approximately one third of the total net ton miles performed and three tenths of the revenue earned by these vehicles. One half of the total tons of goods carried in this type of traffic by Saskatchewan registered for hire trucks was transported to or from Manitoba.

Appendix 1

During the year survey questionnaires were sent to the owners or operators of 12,220 trucks. Of this number 3,451 were returned completed and

4,669 trucks were reported not used during the survey week. The remaining 4,100 were either returned incomplete and unusable or not returned at all.

May 17, 1961

**SECTION I. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 – DECEMBER 31, 1959**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	73,234	129,129	42,903	193,011	438,277
Average yearly mileage per truck		40,000	10,900	4,400	2,400	4,200
Average distance each ton was carried		171.3	21.9	7.5	11.4	29.4
Percentage of total mileage travelled empty		33.1	59.6	44.0	67.9	57.3
Fuel:						
Total gallons of gasoline consumed	'000	9,676	12,140	4,186	15,916	41,918
Miles per gallon of gasoline		6.3	10.4	10.2	12.1	10.1
Total gallons of diesel oil consumed	'000	2,177	540	—	—	2,717
Miles per gallon of diesel oil		5.8	5.8	—	—	5.8
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	2,712	8,711	6,204	10,166	27,793
Average weight carried ¹	ton	9.5	3.7	2.0	1.9	4.4
Net ton miles:						
Total net ton miles performed	'000	464,553	190,541	46,840	115,617	817,551
Average net ton miles per truck		253,900	16,100	4,900	1,400	7,900
Capacity ton miles:						
Total capacity ton miles ²	'000	924,780	524,778	125,242	468,820	2,043,620
Average capacity ton miles per truck		505,300	44,400	13,000	5,800	19,700
Percentage of capacity utilized		50.2	36.3	37.4	24.7	40.0
Gross ton miles:						
Total gross ton miles ³	'000	1,085,610	646,681	172,638	637,258	2,542,187
Average gross ton miles per truck		593,200	54,700	17,900	7,900	24,500
Revenue:						
Total revenue	\$'000	26,678	—	—	—	—
Revenue per ton mile	¢	5.7	—	—	—	—
Revenue per mile (total mileage travelled)	¢	36.4	—	—	—	—
Average revenue per truck	\$	14,600	—	—	—	—
Estimated annual population		1,830	11,813	9,657	80,560	103,860

TABLE 2. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled	'000	125,255	130,300	30,235	26,760	46,433	438,277
Average yearly mileage per truck		4,900	3,100	2,500	2,000	5,100	4,200
Average distance each ton was carried		17.7	12.2	10.5	11.3	15.4	29.4
Percentage of total mileage travelled empty		67.9	68.6	58.0	44.9	41.9	57.3
Fuel:							
Total gallons of gasoline consumed	'000	8,337	10,225	2,972	3,198	6,442	41,918
Miles per gallon of gasoline		15.0	12.7	10.2	8.4	7.2	10.1
Total gallons of diesel oil consumed	'000	—	—	—	—	—	2,717
Miles per gallon of diesel oil		—	—	—	—	—	5.8
Total gallons of other fuel consumed	'000	—	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000	817	3,524	2,382	4,496	9,754	27,793
Average weight carried ¹	ton	0.4	1.1	2.0	3.5	5.6	4.4
Net ton miles:							
Total net ton miles performed	'000	14,426	43,097	24,995	50,893	150,000	817,551
Average net ton miles per truck		600	1,000	2,100	3,700	16,600	7,900
Capacity ton miles:							
Total capacity ton miles ²	'000	113,904	242,953	88,386	145,913	363,719	2,043,620
Average capacity ton miles per truck		4,400	5,900	7,400	10,700	40,200	19,700
Percentage of capacity utilized		12.7	17.7	28.3	34.9	41.2	40.0
Gross ton miles:							
Total gross ton miles ³	'000	230,460	385,974	133,051	159,378	370,856	2,542,187
Average gross ton miles per truck		9,000	9,300	11,100	11,700	41,000	24,500
Estimated annual population		25,693	41,450	11,951	13,604	9,048	103,860

See footnotes at end of Table 5, page 9.

TABLE 3. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
20,000 lb. and under	94	1,984	2,821	1.4	30.1	974	34.5
20,001-30,000 lb.	430	5,915	27,768	4.7	64.5	2,692	9.7
30,001-50,000 lb.	1,397	25,072	240,390	9.6	172.1	14,503	6.0
50,001 lb. and over	791	16,017	193,574	12.1	244.8	8,509	4.4
Totals	2,712	48,988	464,553	9.5	171.3	26,678	5.7
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lb. and under	334	23,672	10,735	0.5	32.1		
10,001-20,000 lb.	768	6,195	16,386	2.6	21.3		
20,001-30,000 lb.	4,271	12,897	75,144	5.8	17.6		
30,001 lb. and over	3,338	9,375	88,276	9.4	26.4		
Totals	8,711	52,139	190,541	3.7	21.9		

SECTION II. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS WITHIN THE PROVINCE
JANUARY 1 - DECEMBER 31, 1959

TABLE 4. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	54,560	120,255	42,903	193,011	410,729
Average yearly mileage per truck		29,800	10,200	4,400	2,400	4,000
Average distance each ton was carried		123.2	21.0	7.5	11.4	23.9
Percentage of total mileage travelled empty		35.3	61.9	44.0	67.9	59.3
Fuel:						
Total gallons of gasoline consumed	'000	7,617	11,403	4,186	15,916	39,122
Miles per gallon of gasoline		6.3	10.4	10.2	12.1	10.3
Total gallons of diesel oil consumed	'000	1,058	285	—	—	1,343
Miles per gallon of diesel oil		5.9	5.7	—	—	5.8
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	2,560	8,531	6,204	10,166	27,461
Average weight carried ¹	ton	8.9	3.9	2.0	1.9	3.9
Net ton miles:						
Total net ton miles performed	'000	315,376	179,075	46,840	115,617	656,908
Average net ton miles per truck		172,300	15,200	4,900	1,400	6,300
Capacity ton miles:						
Total capacity ton miles ²	'000	664,623	469,483	125,242	468,820	1,728,168
Average capacity ton miles per truck		363,200	39,700	13,000	5,800	16,600
Percentage of capacity utilized		47.4	38.1	37.4	24.7	38.0
Gross ton miles:						
Total gross ton miles ³	'000	772,303	582,966	172,638	637,258	2,165,165
Average gross ton miles per truck		422,000	49,300	17,900	7,900	20,800
Revenue:						
Total revenue	\$'000	19,923	—	—	—	—
Revenue per ton mile	¢	6.3	—	—	—	—
Revenue per mile (total mileage travelled)	¢	36.5	—	—	—	—
Average revenue per truck	\$	10,900	—	—	—	—
Estimated annual population		1,830	11,813	9,657	80,560	103,860

See footnotes at end of Table 5, page 9.

TABLE 5. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled '000	121,650	129,234	29,975	26,466	44,293	59,111	410,729
Average yearly mileage per truck	4,700	3,100	2,500	1,900	4,900	28,000	4,000
Average distance each ton was carried	16.5	12.2	10.3	11.2	14.8	57.6	23.9
Percentage of total mileage travelled empty	69.8	68.3	58.0	45.2	42.0	37.9	59.3
Fuel:							
Total gallons of gasoline consumed '000	8,156	10,120	2,900	3,155	6,155	8,636	39,122
Miles per gallon of gasoline	14.9	12.8	10.3	8.4	7.2	5.9	10.3
Total gallons of diesel oil consumed '000	—	—	—	—	—	1,343	1,343
Miles per gallon of diesel oil	—	—	—	—	—	5.8	5.8
Total gallons of other fuel consumed '000	—	—	—	—	—	—	—
Miles per gallon of other fuel	—	—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried '000	817	3,524	2,378	4,491	9,605	6,646	27,461
Average weight carried ¹ ton	0.4	1.1	2.0	3.5	5.5	10.4	3.9
Net ton miles:							
Total net ton miles performed '000	13,442	43,097	24,557	50,486	142,363	382,963	656,908
Average net ton miles per truck	500	1,000	2,100	3,700	15,700	181,200	6,300
Capacity ton miles:							
Total capacity ton miles ² '000	110,823	241,332	87,402	144,391	345,768	798,452	1,728,168
Average capacity ton miles per truck	4,300	5,800	7,300	10,600	38,200	377,700	16,600
Percentage of capacity utilized	12.1	17.9	28.1	35.0	41.2	48.0	38.0
Gross ton miles:							
Total gross ton miles ³ '000	223,782	383,501	131,766	157,753	353,088	915,275	2,165,165
Average gross ton miles per truck	8,700	9,300	11,000	11,600	39,000	433,000	20,800
Estimated annual population	25,693	41,450	11,951	13,604	9,048	2,114	103,860

¹ Ton miles divided by miles travelled with load.² Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.³ Gross ton miles are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.SECTION III. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS,
JANUARY 1—DECEMBER 31, 1959

TABLE 6. Tons of Goods Carried by Province of Origin and Destination

Origin and destination	For hire			Private intercity ¹			Total ¹		
	Into Saskatch- ewan	Out of Saskatch- ewan	Total	Into Saskatch- ewan	Out of Saskatch- ewan	Total	Into Saskatch- ewan	Out of Saskatch- ewan	Total
	'000 tons								
Newfoundland	—	—	—						
Prince Edward Island	—	—	—						
Nova Scotia	—	—	—						
New Brunswick	—	—	—						
Quebec	—	1	1						
Ontario	13	4	17						
Manitoba	88	136	224						
Alberta	118	70	188						
British Columbia	1	—	1						
United States	2	13	15						
Totals	222	224	446						

¹ Reliable statistics not available.

TABLE 7. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products	10	401	6,553	16.3	685.5	159	2.4
Animals and animal products	67	2,613	31,691	12.1	469.9	1,111	3.5
Mine products	8	364	3,035	8.3	403.0	86	2.8
Forest products	—	—	—	—	—	—	—
Manufactures and miscellaneous	271	9,983	105,798	10.6	391.0	5,080	4.8
N.O.S. general freight	90	2,518	24,607	9.8	272.1	1,115	4.5
Totals	446	15,879	171,684	10.8	385.3	7,551	4.4
	Private intercity ¹						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products							
Animals and animal products							
Mine products							
Forest products							
Manufactures and miscellaneous							
N.O.S. general freight							
Totals							

¹ Reliable statistics not available.

Appendix

Type of operation	A. Population						
	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Estimated Saskatchewan truck population in 1959							
For hire	—	114	43	141	335	1,197	1,830
Private:							
Intercity	5,680	2,174	526	979	1,781	673	11,813
Urban	5,677	1,886	515	746	640	193	9,657
Farm	14,336	37,276	10,867	11,738	6,292	51	80,560
Totals	25,693	41,450	11,951	13,604	9,048	2,114	103,860
	B. Survey response						
	Total number of trucks selected in samples	Number of questionnaires returned completed	Number of sampled trucks reported not in use during survey week	Number of questionnaires not returned or returned incomplete and unusable			
For hire	642	361	127	154			
Private:							
Intercity	1,493	548	464	481			
Urban	1,612	621	478	513			
Farm	8,473	1,921	3,600	2,952			
Totals	12,220	3,451	4,669	4,100			

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ANNUAL



Canada. Statistics, Bureau of
111

MOTOR TRANSPORT TRAFFIC *statistics*
PROVINCE OF SASKATCHEWAN
1960

Published by Authority of
The Honourable George Hees, Minister of Trade and Commerce



DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Transportation Section

March, 1962
8504-557

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ROAD TRANSPORT

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TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation	4
2. Net Ton Miles by Type of Operation	4
Introduction	5
Section I. Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province, January 1 – December 31, 1960	
Table	
1. All Trucks by Type of Operation	7
2. All Trucks by Gross Vehicle Weight Group	7
3. Selected Statistics by Gross Vehicle Weight Group	8
4. Selected Statistics by Commodity Group	8
Section II. Traffic Performed by Saskatchewan Registered Trucks Within the Province, January 1 – December 31, 1960	
5. All Trucks by Type of Operation	9
6. All Trucks by Gross Vehicle Weight Group	9
Section III. Interprovincial and International Traffic Performed by Saskatchewan Registered Trucks, January 1 – December 31, 1960	
7. Tons of Goods Carried by Province of Origin and Destination	10
8. Selected Statistics by Commodity Group	10
Appendix	
A. Population B. Survey Response	11

PROVINCE OF SASKATCHEWAN
JANUARY 1-DECEMBER 31, 1960

CHART-1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

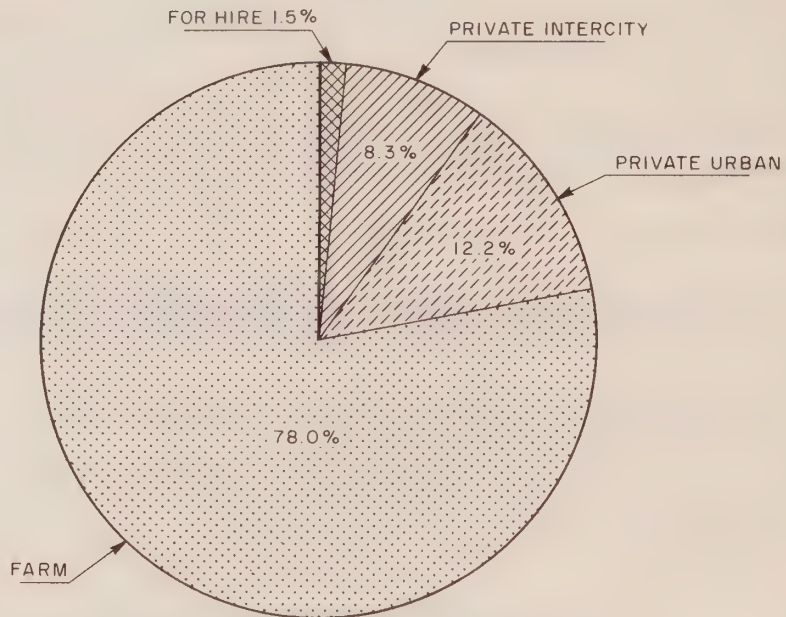
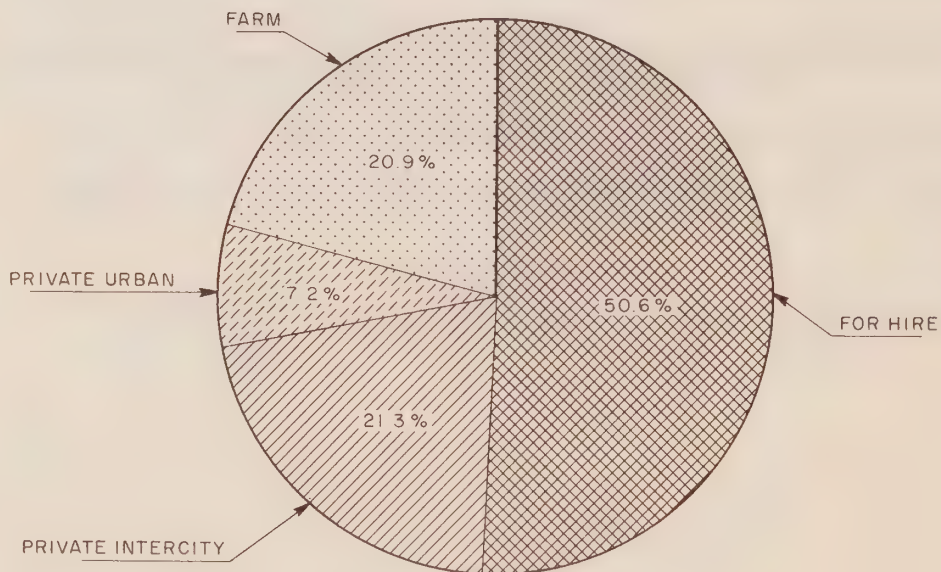


CHART-2

NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

The 1960 annual report of motor transport traffic in the Province of Saskatchewan is based upon a sample of approximately 8 per cent of trucks registered in the province. (The decrease from 12 per cent in 1959 to 8 per cent in 1960 is due to a change in the sample selection ratios whereby fewer trucks of a low gross vehicle weight were selected while the selection ratios for heavier trucks were increased. This change had a particularly severe effect on the number of farm vehicles included in the sample.) To allow for seasonal variations in traffic and to ensure that the selected vehicles represented current registrations the sample was selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample was spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month. The surveys were therefore spread over twelve weeks during the year.

All trucks registered in the province are represented except: (a) those not engaged in transportation services; and (b) military and other government-owned vehicles. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including the power units or tractors in the survey.

Prior to 1959 a sample survey of intercity buses was conducted in conjunction with the truck traffic survey. However, it was not possible to survey buses in all provinces and, as some traffic data are also collected for the annual publication "Passenger Bus Statistics", catalogue no. 53-215, it was decided to discontinue the sample survey of buses for the present.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain according to licence; private intercity vehicles are those owned and operated by firms and individuals on intercity routes to transport their own goods;

private urban vehicles are those operated only within urban areas; and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

In Saskatchewan trucks operated provincially for compensation are classed as "Public Service Vehicles". Public service vehicles used for transporting general merchandise over a given route or for certified chartered operations are issued with an "A" licence, while those restricted to transporting specified commodities provincially are provided with an "E" licence. Vehicles owned and operated by farmers and used for their own farm operations are classified as farm vehicles and issued with an "F" licence. All other trucks are classified as commercial vehicles and are issued with a "C" licence if used within a radius of 35 miles of the owner's headquarters or a "D" licence if operated provincially.

In this report vehicles have been classified into the four functional categories as follows:

- | | |
|-------------------|--|
| For hire | — "A" and "E" licensed vehicles. |
| Private intercity | — "C" and "D" licensed vehicles operating outside urban areas. |
| Private urban | — "C" and "D" licensed vehicles operating only within urban areas. |
| Farm | — "F" licensed vehicles. |

It is known that some "C" and "D" licensed trucks are operated for compensation but these vehicles were not included in the for hire category. As a result, the for hire data are understated by the extent of these operations.

Further information on the history and the organization of motor transport traffic surveys may be found in the reports entitled "Motor Transport Traffic, National Estimates", catalogue no. 53-207, for 1957, 1958 and 1959.

Expansion of Survey Results

Prior to 1959 the distribution of sample vehicles by gross vehicle weight group and by type of operation was used to provide population estimates as at the time of the sample selection. Sample results were then expanded to represent the operations of all trucks registered in the province by multiplying the sample results by the inverse ratio of the sample to the population and by the ratio of three months to one week. The expanded data for each of the four quarterly segments were added together to obtain annual provincial estimates.

Using this method it was found that in some provinces the truck population varied greatly from quarter to quarter. In many cases these changes were not due to an increase or decrease in the

actual truck population but were merely the result of the sample being chosen from an incomplete set of registration files.

To improve the accuracy of the provincial estimates the sample results, since 1959, have been blown up to represent the characteristics of a constant average population throughout the year rather than the population as at four different periods during the year. For this purpose the peak quarterly registration population of the preceding year is deemed to be the average population for the current year. The breakdown of the average population into classes and gross vehicle weight groups is based upon the distribution reported in the whole of the previous year.

Review of Survey Results

The estimated population of trucks performing transportation services in Saskatchewan during the year rose 0.5 per cent to 104,400 from 103,860 in 1959. Of these 1,600 or 1.5 per cent were for hire trucks; 8,618 or 8.3 per cent were private intercity vehicles; 12,782 or 12.2 per cent were private vehicles operating wholly within urban areas; and 81,400 or 78.0 per cent were farm trucks.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However in one or two cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected it does not necessarily follow that there were no vehicles in the province belonging to these classifications.

Section I: Traffic Inside and Outside the Province

Section I contains estimates of total traffic performed both inside and outside the province by Saskatchewan registered trucks.

A new table has been added to this section which summarizes for the year the quarterly commodity tables included in the quarterly report "Motor Transport Traffic, National Estimates", catalogue no. 53-004.

Although comprising only 1.5 per cent of Saskatchewan's truck population, for hire vehicles accounted for 50.6 per cent of the total net ton miles and 7.2 per cent of the total tons of goods carried during 1960. This results from the high average yearly mileage of these trucks, 37,700 miles as compared with 4,300 miles for all trucks, and from the heavy average load carried of 9.8 tons compared to 4.1 tons for all trucks. Since over four

fifths of all for hire vehicles have a gross vehicle weight of over 10 tons the heavier loads carried by these trucks are to be expected. The predominance of heavier vehicles in the for hire class also explains the low estimate of miles per gallon of gasoline, 5.6 compared with 10.1 for all trucks.

It is estimated that urban operations accounted for 0.4 per cent of the total net ton miles performed by Saskatchewan registered for hire trucks and 1.7 per cent of the total net ton miles performed by private intercity vehicles.

Some trucks in Saskatchewan under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for about 14 per cent of the total mileage travelled by Saskatchewan registered trucks.

Section II: Traffic Within the Province

This section presents estimates of traffic performed by Saskatchewan registered trucks entirely inside the province and excludes the "outside the province" portion of interprovincial and international traffic as well as any traffic performed entirely outside the province. Comparing the data in Section I and Section II it will be noted that for hire vehicles accumulated 31.8 per cent and private intercity 14.6 per cent of their total net ton miles outside Saskatchewan.

Section III: Interprovincial and International Traffic

Interprovincial and international traffic accounted for a significant proportion of the total traffic performed by for hire vehicles, representing approximately one third of the total net ton miles performed and almost one third of the revenue earned by these vehicles. Three fifths of the total tons of goods carried in this type of traffic by Saskatchewan registered for hire trucks was transported to or from Manitoba.

Appendix

During the year survey questionnaires were sent to the owners or operators of 7,769 trucks. Of this number 2,521 were returned completed and 2,781 trucks were reported not used during the

survey week. The remaining 2,467 were either returned incomplete and unusable or not returned at all.

February 12, 1962.

**SECTION I. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 – DECEMBER 31, 1960**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	60,303	95,234	62,477	227,693	445,707
Average yearly mileage per truck		37,700	11,100	4,900	2,800	4,300
Average distance each ton was carried		174.4	25.9	7.3	10.8	24.7
Percentage of total mileage travelled empty		33.1	56.5	51.7	65.0	57.0
Fuel:						
Total gallons of gasoline consumed	'000	8,119	9,298	5,786	19,168	42,371
Miles per gallon of gasoline		5.6	10.0	10.8	11.9	10.1
Total gallons of diesel oil consumed	'000	2,405	443	—	—	2,848
Miles per gallon of diesel oil		6.1	6.1	—	—	6.1
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	2,269	6,455	7,718	15,214	31,656
Average weight carried ¹	ton	9.8	4.0	1.9	2.1	4.1
Net ton miles:						
Total net ton miles performed	'000	395,805	166,950	56,487	163,635	782,877
Average net ton miles per truck		247,400	19,400	4,400	2,000	7,500
Capacity ton miles:						
Total capacity ton miles ²	'000	759,113	427,875	163,466	574,310	1,924,764
Average capacity ton miles per truck		474,400	49,600	12,800	7,100	18,400
Percentage of capacity utilized		52.1	39.0	34.6	28.5	40.7
Gross ton miles:						
Total gross ton miles ³	'000	975,331	519,832	218,608	802,434	2,516,205
Average gross ton miles per truck		609,600	60,300	17,100	9,900	24,100
Revenue:						
Total revenue	\$'000	21,326	—	—	—	—
Revenue per ton mile	¢	5.4	—	—	—	—
Revenue per mile (total mileage travelled)	¢	35.4	—	—	—	—
Average revenue per truck	\$	13,300	—	—	—	—
Estimated annual population		1,600	8,618	12,782	81,400	104,400

TABLE 2. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled	'000	126,115	144,240	32,870	26,741	49,146	445,707
Average yearly mileage per truck		4,800	3,500	2,700	1,900	5,400	4,300
Average distance each ton was carried		9.7	11.0	9.9	11.3	16.0	24.7
Percentage of total mileage travelled empty		70.2	64.2	51.0	43.4	42.5	57.0
Fuel:							
Total gallons of gasoline consumed	'000	8,384	11,664	3,180	3,189	6,535	42,371
Miles per gallon of gasoline		15.0	12.4	10.3	8.4	7.5	10.1
Total gallons of diesel oil consumed	'000	—	—	—	—	—	2,848
Miles per gallon of diesel oil		—	—	—	—	—	6.1
Total gallons of other fuel consumed	'000	—	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000	1,540	5,261	3,550	5,179	8,891	31,656
Average weight carried ¹	ton	0.4	1.1	2.2	3.9	5.0	4.1
Net ton miles:							
Total net ton miles performed	'000	14,912	57,984	35,119	58,477	142,263	782,877
Average net ton miles per truck		600	1,400	2,900	4,200	15,700	7,500
Capacity ton miles:							
Total capacity ton miles ²	'000	110,801	276,183	102,580	149,846	369,271	1,924,764
Average capacity ton miles per truck		4,200	6,800	8,600	10,800	40,600	18,400
Percentage of capacity utilized		13.4	21.0	34.2	39.0	38.5	40.7
Gross ton miles:							
Total gross ton miles ³	'000	222,079	444,202	146,208	168,065	378,357	2,516,205
Average gross ton miles per truck		8,400	10,900	12,200	12,100	41,600	24,100
Estimated annual population		26,430	40,801	11,997	13,861	9,086	104,400

See footnotes at end of Table 6, page 9.

TABLE 3. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under	414	7,090	28,427	4.0	68.6	4,090	14.4
30,001-50,000 lb.	921	16,861	154,060	9.1	167.1	9,601	6.2
50,001 lb. and over	934	16,373	213,318	13.0	228.6	7,635	3.6
Totals	2,269	40,324	395,805	9.8	174.4	21,326	5.4
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lb. and under	283	17,756	14,144		0.8		50.0
10,001-20,000 lb.	1,128	5,381	16,586		3.1		14.7
20,001-30,000 lb.	2,371	10,622	52,975		5.0		22.3
30,001 lb. and over	2,673	7,694	83,245		10.8		31.1
Totals	6,455	41,453	166,950		4.0		25.9

TABLE 4. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products	113	338	2,888	8.5	25.5	164	5.7
Animals and animal products	142	3,929	31,870	8.1	223.9	1,586	5.0
Mine products	21	356	3,670	10.3	174.0	160	4.4
Forest products ¹	—	—	—	—	—	—	—
Manufactures and miscellaneous	1,480	25,937	278,303	10.7	188.0	14,394	5.2
N.O.S. general freight	513	9,764	79,074	8.1	154.3	5,022	6.4
Totals	2,269	40,324	395,805	9.8	174.4	21,326	5.4
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products	122	464	2,630		5.7		21.6
Animals and animal products	95	2,387	17,026		7.1		180.0
Mine products	3,971	3,877	41,877		10.8		10.5
Forest products	95	993	7,275		7.3		76.7
Manufactures and miscellaneous	2,030	28,990	90,359		3.1		44.5
N.O.S. general freight	142	4,742	7,783		1.6		55.0
Totals	6,455	41,453	166,950		4.0		25.9

¹ Reliable statistics not available.

**SECTION II. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS WITHIN THE PROVINCE
JANUARY 1 — DECEMBER 31, 1960**

TABLE 5. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	43,649	89,683	62,477	227,693	423,502
Average yearly mileage per truck		27,300	10,400	4,900	2,800	4,100
Average distance each ton was carried		125.9	22.4	7.3	10.8	20.1
Percentage of total mileage travelled empty		34.6	57.9	51.7	65.0	58.4
Fuel:						
Total gallons of gasoline consumed	'000	6,089	8,700	5,786	19,168	39,743
Miles per gallon of gasoline		5.7	10.1	10.8	11.9	10.4
Total gallons of diesel oil consumed	'000	1,485	300	—	—	1,785
Miles per gallon of diesel oil		6.0	6.0	—	—	6.0
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	2,145	6,350	7,718	15,214	31,427
Average weight carried ¹	ton	9.5	3.8	1.9	2.1	3.6
Net ton miles:						
Total net ton miles performed	'000	270,130	142,525	56,487	163,635	632,777
Average net ton miles per truck		168,800	16,500	4,400	2,000	6,100
Capacity ton miles:						
Total capacity ton miles ²	'000	548,866	378,983	163,466	574,310	1,665,625
Average capacity ton miles per truck		343,000	44,000	12,800	7,100	16,000
Percentage of capacity utilized		49.2	37.6	34.6	28.5	38.0
Gross ton miles:						
Total gross ton miles ³	'000	664,521	456,980	218,608	802,434	2,142,543
Average gross ton miles per truck		415,300	53,000	17,100	9,900	20,500
Revenue:						
Total revenue	\$'000	15,729	—	—	—	—
Revenue per ton mile	¢	5.8	—	—	—	—
Revenue per mile (total mileage travelled)	¢	36.0	—	—	—	—
Average revenue per truck	\$	9,800	—	—	—	—
Estimated annual population		1,600	8,618	12,782	81,400	104,400

TABLE 6. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled	'000	124,581	144,063	32,870	26,325	47,410	423,502
Average yearly mileage per truck		4,700	3,500	2,700	1,900	5,200	4,100
Average distance each ton was carried		9.2	11.0	9.9	10.8	15.4	20.1
Percentage of total mileage travelled empty		70.6	64.2	51.0	44.1	42.5	58.4
Fuel:							
Total gallons of gasoline consumed	'000	8,280	11,647	3,180	3,137	6,295	39,743
Miles per gallon of gasoline		15.0	12.4	10.3	8.4	7.5	10.4
Total gallons of diesel oil consumed	'000	—	—	—	—	—	1,785
Miles per gallon of diesel oil		—	—	—	—	—	6.0
Total gallons of other fuel consumed	'000	—	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000	1,540	5,261	3,550	5,176	8,834	31,427
Average weight carried ¹	ton	0.4	1.1	2.2	3.8	5.0	3.6
Net ton miles:							
Total net ton miles performed	'000	14,139	57,653	35,119	55,996	136,235	632,777
Average net ton miles per truck		500	1,400	2,900	4,000	15,000	6,100
Capacity ton miles:							
Total capacity ton miles ²	'000	109,360	275,817	102,580	146,339	355,257	1,665,625
Average capacity ton miles per truck		4,100	6,800	8,600	10,600	39,100	16,000
Percentage of capacity utilized		12.9	20.9	34.2	38.3	38.3	38.0
Gross ton miles:							
Total gross ton miles ³	'000	218,817	443,351	146,208	163,841	364,043	2,142,543
Average gross ton miles per truck		8,300	10,900	12,200	11,800	40,100	20,500
Estimated annual population		26,430	40,801	11,997	13,861	9,086	104,400

¹ Net ton miles divided by miles travelled with load.² Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.³ Gross ton miles are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

**SECTION III. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS
JANUARY 1-DECEMBER 31, 1960**

TABLE 7. Tons of Goods Carried by Province of Origin and Destination

Origin and destination	For hire			Private intercity ¹			Total ¹		
	Into Saskat-chewan	Out of Saskat-chewan	Total	Into Saskat-chewan	Out of Saskat-chewan	Total	Into Saskat-chewan	Out of Saskat-chewan	Total
	'000 tons								
Newfoundland	—	—	—						
Prince Edward Island	—	—	—						
Nova Scotia	—	—	—						
New Brunswick	—	—	—						
Quebec	—	—	—						
Ontario	22	2	24						
Manitoba	64	141	205						
Alberta	55	33	88						
British Columbia	—	—	—						
United States	7	7	14						
Totals	148	183	331						

TABLE 8. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products ¹	—	—	—	—	—	—	—
Animals and animal products	47	1,640	17,141	10.5	362.8	536	3.1
Mine products ¹	—	—	—	—	—	—	—
Forest products ¹	—	—	—	—	—	—	—
Manufactures and miscellaneous	188	8,784	93,624	10.7	498.4	4,503	4.8
N.O.S. general freight	96	2,454	24,013	9.8	250.4	868	3.6
Totals	331	12,878	134,778	10.5	407.2	5,907	4.4
	Private intercity ¹						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products							
Animals and animal products							
Mine products							
Forest products							
Manufactures and miscellaneous							
N.O.S. general freight							
Totals							

¹ Reliable statistics not available.

APPENDIX

Type of operation	A. Population						
	0 - 2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Estimated Saskatchewan truck population in 1960							
For hire	—	83	22	72	364	1,059	1,600
Private:							
Intercity	4,115	1,638	223	570	1,417	655	8,618
Urban	7,265	2,416	751	1,082	858	410	12,782
Farm	15,050	36,664	11,001	12,137	6,447	101	81,400
Totals	26,430	40,801	11,997	13,861	9,086	2,225	104,400
B. Survey Response							
	Total number of trucks selected in samples	Number of questionnaires returned completed		Number of sampled trucks reported not in use during survey week		Number of questionnaires not returned or returned incomplete and unusable	
For hire	963	486		203		274	
Private:							
Intercity	1,926	674		640		612	
Urban	1,632	587		528		517	
Farm	3,248	774		1,410		1,064	
Totals	7,769	2,521		2,781		2,467	

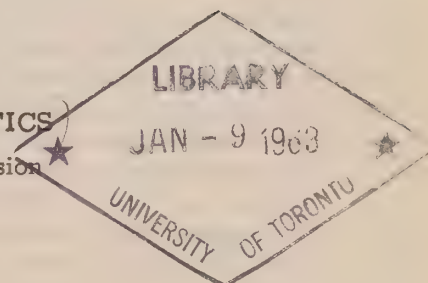


Canada. Statistics, Bureau of
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MOTOR TRANSPORT TRAFFIC
PROVINCE OF SASKATCHEWAN
1961

Published by Authority of
The Honourable George Hees, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Transportation Section



Reports Published by the
Public Finance and Transportation Division
dealing with

ROAD TRANSPORT

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Motor Transport Traffic

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TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation	4
2. Net Ton Miles by Type of Operation	4
Introduction	5
Section I. Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province, January 1 – December 31, 1961	
Table	
1. All Trucks by Type of Operation	7
2. All Trucks by Gross Vehicle Weight Group	7
3. Selected Statistics by Gross Vehicle Weight Group	8
4. Selected Statistics by Commodity Group	8
Section II. Traffic Performed by Saskatchewan Registered Trucks Within the Province, January 1 – December 31, 1961	
5. All Trucks by Type of Operation	9
6. All Trucks by Gross Vehicle Weight Group	9
Section III. Interprovincial and International Traffic Performed by Saskatchewan Registered Trucks, January 1 – December 31, 1961	
7. Tons of Goods Carried by Province of Origin and Destination	10
8. Selected Statistics by Commodity Group	10
Appendix	
A. Population B. Survey Response	11

PROVINCE OF SASKATCHEWAN
JANUARY 1 - DECEMBER 31, 1961

CHART-1 TRUCK REGISTRATIONS BY TYPE OF OPERATION

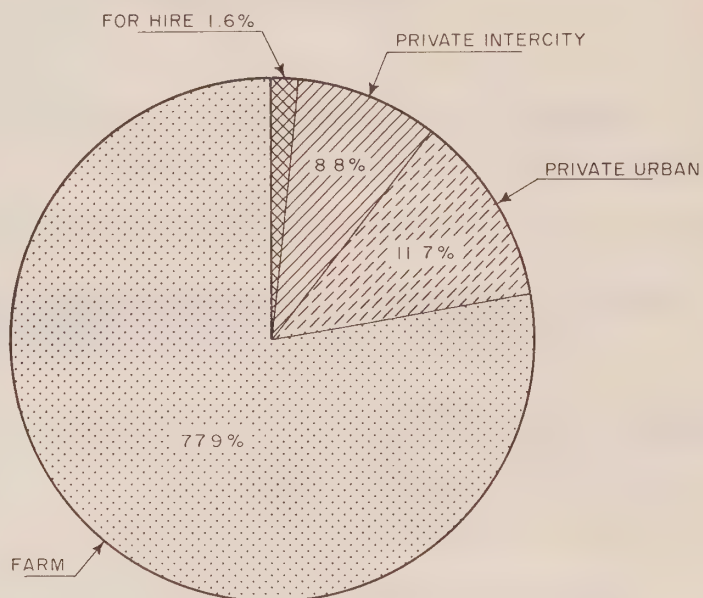
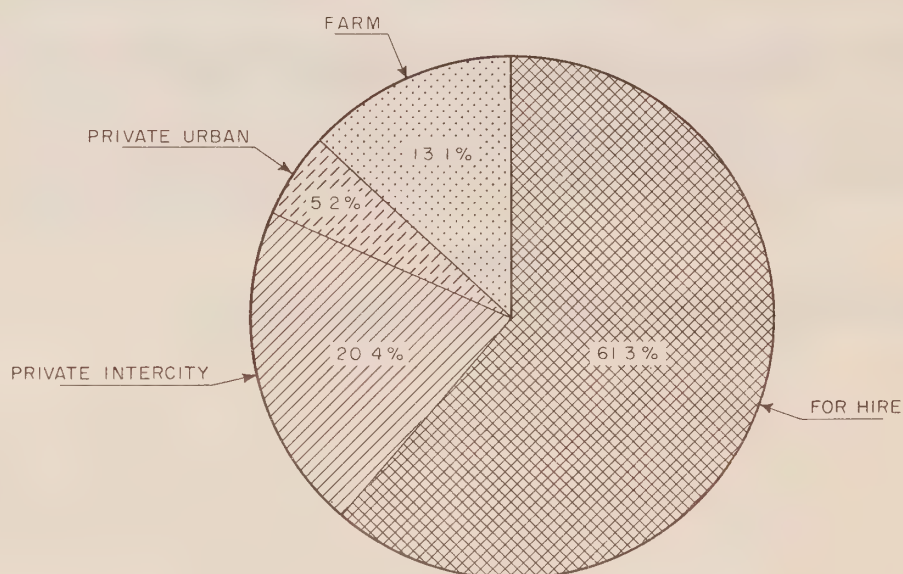


CHART-2 NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

The 1961 annual report of motor transport traffic in the Province of Saskatchewan is based upon a sample of approximately 8 per cent of trucks registered in the province. To allow for seasonal variations in traffic and to ensure that the selected vehicles represented current registrations the sample was selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample was spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month. The surveys were therefore spread over twelve weeks during the year.

All trucks registered in the province are represented except: (a) those not engaged in transportation services; and (b) military and other government-owned vehicles. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including the power units or tractors in the survey.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain according to licence; private intercity vehicles are those owned and operated by firms and individuals on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas; and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

In Saskatchewan trucks operated provincially for compensation are classed as "Public Service Vehicles". Public service vehicles used for transporting general merchandise over a given route or

for certified chartered operations are issued with an "A" licence, while those restricted to transporting specified commodities provincially are provided with an "E" licence. Vehicles owned and operated by farmers and used for their own farm operations are classified as farm vehicles and issued with an "F" licence. All other trucks are classified as commercial vehicles and are issued with a "C" licence if used within a radius of 35 miles of the owner's headquarters or a "D" licence if operated provincially.

In this report vehicles have been classified into the four functional categories as follows:

For hire	— "A" and "E" licensed vehicles.
Private intercity	— "C" and "D" licensed vehicles operating outside urban areas.
Private urban	— "C" and "D" licensed vehicles operating only within urban areas.
Farm	— "F" licensed vehicles.

It is known that some "C" and "D" licensed trucks are operated for compensation but these vehicles were not included in the for hire category. As a result, the for hire data are understated by the extent of these operations.

Further information on the history and the organization of motor transport traffic surveys may be found in the reports entitled "Motor Transport Traffic, National Estimates", catalogue no. 53-207, for 1957 to 1960.

Expansion of Survey Results

As this survey is conducted on a sample basis the data obtained for the vehicles included in the sample have to be expanded to represent the traffic of the total truck population. The methods used in this expansion of the raw data have been continually improved. Current procedures are:

1. A truck population has to be determined. As each sample is selected quarterly the number of trucks chosen in each sample multiplied by the inverse of the sample selection ratio provides an estimated quarterly population. Prior to 1959 the data for each quarterly sample were expanded to represent the total traffic of the estimated population of the same quarter. In 1959, however, it was decided that it would be preferable to expand data for the four quarterly surveys using a constant population. This constant population would be the peak quarterly population of the previous year calculated by multiplying the sample in each quarter by the inverse of the sample selection ratios.
2. The constant population has to be broken down into gross vehicle weight groups and functions. This is already partially done as sample selec-

tions are stratified by licence and weight group. Therefore it is only necessary to multiply the sample in each weight group of each licence category by the inverse of the appropriate selection ratio to arrive at a quarterly population. The four quarterly populations by gross vehicle weight and licence categories are added together and an average weight group and licence category distribution for the year is computed. This weight group and licence category distribution is applied to the constant population. Each licence category except C and D licences corresponds to one function. For the C and D licensed population the average distribution obtained from all the previous year's completed questionnaires is used to divide these vehicles into private intercity and private urban. The above procedure was introduced in 1959. Prior to that year the distribution by function was determined for each quarter separately.

3. When the constant population has been calculated and broken down by function and gross vehicle weight group, it is necessary to allocate vehicles included in current surveys in the same manner. For hire and farm vehicles can be identified immediately by their licences. However, C and D

licensed vehicles have to be separated into private urban and private intercity classes according to the area of operation as indicated in the returned questionnaires.

4. Expansion ratios for each gross vehicle weight group of each functional category are then calculated by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant population.
5. As the survey results for sample vehicles relate to one week's operations the expansion ratios calculated in (4) have to be multiplied by 13 to cover the three month period.
6. The expanded data for the four quarters are added together to arrive at an annual total.

Review of Survey Results

The estimated population of trucks performing transportation services in Saskatchewan during the year rose 3.2 per cent to 107,700 from 104,400 in 1960. Of these, 1,700 or 1.6 per cent were for hire trucks; 9,542 or 8.8 per cent were private intercity vehicles; 12,558 or 11.7 per cent were private vehicles operating wholly within urban areas; and 83,900 or 77.9 per cent were farm trucks.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However in one or two cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected it does not necessarily follow that there were no vehicles in the province belonging to these classifications.

Section I: Traffic Inside and Outside the Province

Section I contains estimates of total traffic performed both inside and outside the province by Saskatchewan registered trucks.

Although comprising only 1.6 per cent of Saskatchewan's truck population, for hire vehicles accounted for 61.3 per cent of the total net ton miles and 9.6 per cent of the total tons of goods carried during 1961. This results from the high average yearly mileage of these trucks, 46,600 miles as compared with 4,200 miles for all trucks, and from the heavy average load carried of 11.7 tons compared to 5.3 tons for all trucks. Since nine tenths of all for hire vehicles have a gross vehicle weight of over 10 tons the heavier loads carried by these trucks are to be expected. The predominance of

While the changes and improvements in methods of compilation mentioned above will to some extent influence comparisons of data between years the effects should not be overly significant. In addition it is emphasized that since the statistics contained in this report are calculated from a sample survey they are only estimates and not actual figures.

It should be noted that in 1961 the description of commodities transported by trucks was changed to conform with the revised "Standard Commodity Classification" produced by the Dominion Bureau of Statistics. Formerly commodities were classified according to the "Railway Freight Commodity Statistics Classification". The change will enable these data to be compared more easily with other commodity data produced by the Dominion Bureau of Statistics.

heavier vehicles in the for hire class also explains the low estimate of miles per gallon of gasoline, 5.3 compared with 9.8 for all trucks.

It is estimated that urban operations accounted for 0.3 per cent of the total net ton miles performed by Saskatchewan registered for hire trucks and 2.3 per cent of the total net ton miles performed by private intercity vehicles.

Some trucks in Saskatchewan under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for about 12 per cent of the total mileage travelled by Saskatchewan registered trucks.

Section II: Traffic Within the Province

This section presents estimates of traffic performed by Saskatchewan registered trucks entirely inside the province and excludes the "outside the province" portion of interprovincial and international traffic as well as any traffic performed entirely outside the province. Comparing the data in Section I and Section II it will be noted that for hire vehicles accumulated 42.4 per cent and private intercity 16.4 per cent of their total net ton miles outside Saskatchewan.

Section III: Interprovincial and International Traffic

Interprovincial and international traffic accounted for a significant proportion of the total traffic performed by for hire vehicles, representing over one third of the total net ton miles performed and almost one third of the revenue earned by these vehicles. Over three fifths of the total tons of goods carried in this type of traffic by Saskatchewan registered for hire trucks was transported to or from Manitoba.

Appendix

During the year survey questionnaires were sent to the owners or operators of 8,066 trucks. Of this number 2,778 were returned completed and 2,945

trucks were reported not used during the survey week. The remaining 2,343 were either returned incomplete and unusable or not returned at all.

November 23, 1962.

**SECTION I. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 - DECEMBER 31, 1961**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	79,187	111,444	64,434	200,107	455,172
Average yearly mileage per truck		46,600	11,700	5,100	2,400	4,200
Average distance each ton was carried		244.1	38.1	7.3	11.7	38.2
Percentage of total mileage travelled empty		31.3	59.5	62.9	64.0	57.0
Fuel:						
Total gallons of gasoline consumed	'000	9,237	10,948	6,065	16,368	42,618
Miles per gallon of gasoline		5.3	9.6	10.6	12.2	9.8
Total gallons of diesel oil consumed	'000	5,004	1,046	—	—	6,050
Miles per gallon of diesel oil		6.0	6.1	—	—	6.0
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	2,605	5,545	7,476	11,564	27,190
Average weight carried ¹	ton	11.7	4.7	2.3	1.9	5.3
Net ton miles:						
Total net ton miles performed	'000	635,824	211,452	54,421	135,850	1,037,547
Average net ton miles per truck		374,000	22,200	4,300	1,600	9,600
Capacity ton miles:						
Total capacity ton miles ²	'000	1,127,420	522,344	164,676	503,504	2,317,944
Average capacity ton miles per truck		663,200	54,700	13,100	6,000	21,500
Percentage of capacity utilized		56.4	40.5	33.0	27.0	44.8
Gross ton miles:						
Total gross ton miles ³	'000	1,483,882	645,910	222,337	691,274	3,043,403
Average gross ton miles per truck		872,900	67,700	17,700	8,200	28,300
Revenue:						
Total revenue	\$'000	31,733	—	—	—	—
Revenue per ton mile	¢	5.0	—	—	—	—
Revenue per mile (total mileage travelled)	¢	40.1	—	—	—	—
Average revenue per truck	\$	18,700	—	—	—	—
Estimated annual population		1,700	9,542	12,558	83,900	107,700

TABLE 2. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled	'000	134,785	127,944	29,314	28,928	40,535	93,666
Average yearly mileage per truck		4,900	3,100	2,400	2,100	4,100	34,600
Average distance each ton was carried		15.0	12.4	11.0	11.6	16.8	95.7
Percentage of total mileage travelled empty		78.0	61.6	51.8	46.7	39.0	33.3
Fuel:							
Total gallons of gasoline consumed	'000	9,105	10,058	2,861	3,498	5,531	11,565
Miles per gallon of gasoline		14.8	12.7	10.2	8.3	7.3	5.0
Total gallons of diesel oil consumed	'000	—	—	—	—	—	6,050
Miles per gallon of diesel oil		—	—	—	—	—	6.0
Total gallons of other fuel consumed	'000	—	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000	649	4,145	2,550	4,713	7,027	8,106
Average weight carried ¹	ton	0.3	1.0	2.0	3.5	4.8	12.4
Net ton miles:							
Total net ton miles performed	'000	9,774	51,264	28,028	54,635	118,241	775,605
Average net ton miles per truck		400	1,200	2,300	4,000	11,900	286,700
Capacity ton miles:							
Total capacity ton miles ²	'000	113,501	240,013	89,540	159,792	310,582	1,404,516
Average capacity ton miles per truck		4,100	5,800	7,500	11,600	31,300	519,200
Percentage of capacity utilized		8.6	21.4	31.3	34.2	38.1	55.2
Gross ton miles:							
Total gross ton miles ³	'000	233,710	387,175	127,771	173,168	314,642	1,806,937
Average gross ton miles per truck		8,400	9,300	10,600	12,500	31,700	668,000
Estimated annual population		27,763	41,484	12,017	13,817	9,914	2,705

TABLE 3. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under	354	5,812	21,698	3.7	61.3	3,456	15.9
30,001-50,000 lb.	552	16,702	140,550	8.4	254.7	10,071	7.2
50,001 lb. and over	1,699	31,879	473,576	14.9	278.7	18,206	3.8
Totals	2,605	54,393	635,824	11.7	244.1	31,733	5.0
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
	10,000 lb. and under	157	15,422	9,971	0.6	63.5	
	10,001-20,000 lb.	581	7,456	17,375	2.3	29.9	
20,001-30,000 lb.	1,793	11,107	52,624	4.7	29.4		
30,001 lb. and over	3,014	11,157	131,482	11.8	43.6		
Totals	5,545	45,142	211,452	4.7	38.1		

TABLE 4. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals	134	2,741	28,452	10.4	213.2	1,234	4.3
Food, feed, beverages and tobacco	236	5,501	59,510	10.8	251.9	2,802	4.7
Crude materials, inedible	84	1,453	21,788	15.0	258.1	661	3.0
Fabricated materials, inedible	1,132	14,181	220,127	15.5	194.4	7,866	3.6
End products, inedible	295	13,223	109,624	8.3	372.1	9,490	8.7
General freight	724	17,294	196,323	11.4	271.2	9,680	4.9
Totals	2,605	54,393	635,824	11.7	244.1	31,733	5.0
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals	95	1,556	15,192	9.8	159.0		
Food, feed, beverages and tobacco	500	10,453	48,355	4.6	96.7		
Crude materials, inedible	2,971	4,762	48,700	10.2	16.4		
Fabricated materials, inedible	1,526	9,996	53,731	5.4	35.2		
End products, inedible	356	15,296	34,261	2.2	96.2		
General freight	97	3,079	11,213	3.6	116.0		
Totals	5,545	45,142	211,452	4.7	38.1		

**SECTION II. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS WITHIN THE PROVINCE
JANUARY 1—DECEMBER 31, 1961**

TABLE 5. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	49,637	105,308	64,434	200,107	419,486
Average yearly mileage per truck		29,200	11,000	5,100	2,400	3,900
Average distance each ton was carried		150.6	32.3	7.3	11.7	27.2
Percentage of total mileage travelled empty		33.4	60.4	62.9	64.0	59.3
Fuel:						
Total gallons of gasoline consumed	'000	6,162	10,373	6,065	16,368	38,968
Miles per gallon of gasoline		5.5	9.8	10.6	12.2	10.3
Total gallons of diesel oil consumed	'000	2,627	686	—	—	3,313
Miles per gallon of diesel oil		6.0	6.0	—	—	6.0
Total gallons of other fuel consumed	'000	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	2,430	5,471	7,476	11,564	26,941
Average weight carried ¹	ton	11.1	4.2	2.3	1.9	4.3
Net ton miles:						
Total net ton miles performed	'000	366,026	176,761	54,421	135,850	733,058
Average net ton miles per truck		215,300	18,500	4,300	1,600	6,800
Capacity ton miles:						
Total capacity ton miles ²	'000	703,489	460,191	164,676	503,504	1,831,860
Average capacity ton miles per truck		413,800	48,200	13,100	6,000	17,000
Percentage of capacity utilized		52.0	38.4	33.0	27.0	40.0
Gross ton miles:						
Total gross ton miles ³	'000	859,302	558,657	222,337	691,274	2,331,570
Average gross ton miles per truck		505,500	58,500	17,700	8,200	21,600
Revenue:						
Total revenue	\$'000	19,753	—	—	—	—
Revenue per ton mile	¢	5.4	—	—	—	—
Revenue per mile (total mileage travelled)	¢	39.8	—	—	—	—
Average revenue per truck	\$	11,600	—	—	—	—
Estimated annual population		1,700	9,542	12,558	83,900	107,700

TABLE 6. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled	'000	134,434	126,524	29,243	28,819	39,733	419,486
Average yearly mileage per truck		4,800	3,100	2,400	2,100	4,000	3,900
Average distance each ton was carried		15.0	12.3	11.0	11.6	16.4	27.2
Percentage of total mileage travelled empty		77.9	61.5	51.8	46.6	39.1	59.3
Fuel:							
Total gallons of gasoline consumed	'000	9,062	9,937	2,853	3,482	5,424	38,968
Miles per gallon of gasoline		14.8	12.7	10.2	8.3	7.3	10.3
Total gallons of diesel oil consumed	'000	—	—	—	—	—	3,313
Miles per gallon of diesel oil		—	—	—	—	—	6.0
Total gallons of other fuel consumed	'000	—	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000	649	4,144	2,550	4,704	7,014	26,941
Average weight carried ¹	ton	0.3	1.0	2.0	3.5	4.8	4.3
Net ton miles:							
Total net ton miles performed	'000	9,774	50,931	27,998	54,586	115,297	474,472
Average net ton miles per truck		400	1,200	2,300	4,000	11,600	175,400
Capacity ton miles:							
Total capacity ton miles ²	'000	113,216	238,116	89,307	159,220	304,116	927,885
Average capacity ton miles per truck		4,100	5,700	7,400	11,500	30,700	343,000
Percentage of capacity utilized		8.6	21.4	31.4	34.3	37.9	51.1
Gross ton miles:							
Total gross ton miles ³	'000	233,118	383,424	128,162	172,665	307,851	1,106,350
Average gross ton miles per truck		8,400	9,200	10,700	12,500	31,100	409,000
Estimated annual population		27,763	41,484	12,017	13,817	9,914	2,705

¹ Net ton miles divided by miles travelled with load.² Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.³ Gross ton miles are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

**SECTION III. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS
JANUARY 1—DECEMBER 31, 1961**

TABLE 7. Tons of Goods Carried by Province of Origin and Destination

Origin and destination	For hire			Private intercity ¹			Total ¹		
	Into Saskat- chewan	Out of Saskat- chewan	Total	Into Saskat- chewan	Out of Saskat- chewan	Total	Into Saskat- chewan	Out of Saskat- chewan	Total
	'000 tons								
Newfoundland	—	—	—						
Prince Edward Island	—	—	—						
Nova Scotia	—	—	—						
New Brunswick	—	—	—						
Quebec	—	3	3						
Ontario	27	8	35						
Manitoba	132	263	395						
Alberta	93	42	135						
British Columbia	3	—	3						
United States	1	—	1						
Totals	256	316	572						

TABLE 8. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals	63	1,497	20,007	13.4	316.8	754	3.8
Food, feed, beverages and tobacco	42	1,844	25,181	13.7	594.7	620	2.5
Crude materials, inedible	9	320	5,291	16.5	570.4	138	2.6
Fabricated materials, inedible	213	4,139	74,952	18.1	352.6	2,383	3.2
End products, inedible	54	4,951	45,409	9.2	847.7	3,096	6.8
General freight	191	5,788	74,443	12.9	389.0	3,111	4.2
Totals	572	18,539	245,283	13.2	428.6	10,102	4.1
	Private intercity ¹						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals							
Food, feed, beverages and tobacco							
Crude materials, inedible							
Fabricated materials, inedible							
End products, inedible							
General freight							
Totals							

¹ Reliable statistics not available.

APPENDIX

Type of operation	A. Population						
	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Estimated Saskatchewan truck population in 1961							
For hire	—	78	26	71	325	1,200	1,700
Private:							
Intercity	4,215	1,811	495	824	1,365	832	9,542
Urban	7,148	2,695	593	810	897	415	12,558
Farm	16,400	36,900	10,903	12,112	7,327	258	83,900
Totals	27,763	41,484	12,017	13,817	9,914	2,705	107,700
B. Survey Response							
	Total number of trucks selected in samples		Number of questionnaires returned completed		Number of sampled trucks reported not in use during survey week		Number of questionnaires not returned or returned incomplete and unusable
For hire	992		509		201		282
Private:							
Intercity	1,818		689		614		515
Urban	1,857		741		605		511
Farm	3,399		839		1,525		1,035
Totals	8,066		2,778		2,943		2,343

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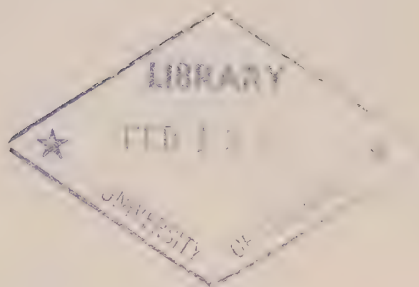


CANADA

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MOTOR TRANSPORT TRAFFIC
PROVINCE OF SASKATCHEWAN

1962



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ROAD TRANSPORT

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TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation	4
2. Net Ton Miles by Type of Operation	4
Introduction	5
Section I. Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province, January 1 – December 31, 1962	
Table	
1. All Trucks by Type of Operation	7
2. All Trucks by Gross Vehicle Weight Group	7
3. Selected Statistics by Gross Vehicle Weight Group	8
4. Selected Statistics by Commodity Group	8
Section II. Traffic Performed by Saskatchewan Registered Trucks Within the Province, January 1 – December 31, 1962	
5. All Trucks by Type of Operation	9
6. All Trucks by Gross Vehicle Weight Group	9
Section III. Interprovincial and International Traffic Performed by Saskatchewan Registered Trucks, January 1 – December 31, 1962	
7. Tons of Goods Carried by Province of Origin and Destination	10
8. Selected Statistics by Commodity Group	10
Appendix	
A. Population B. Survey Response	11

PROVINCE OF SASKATCHEWAN
JANUARY 1 - DECEMBER 31, 1962

CHART-1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

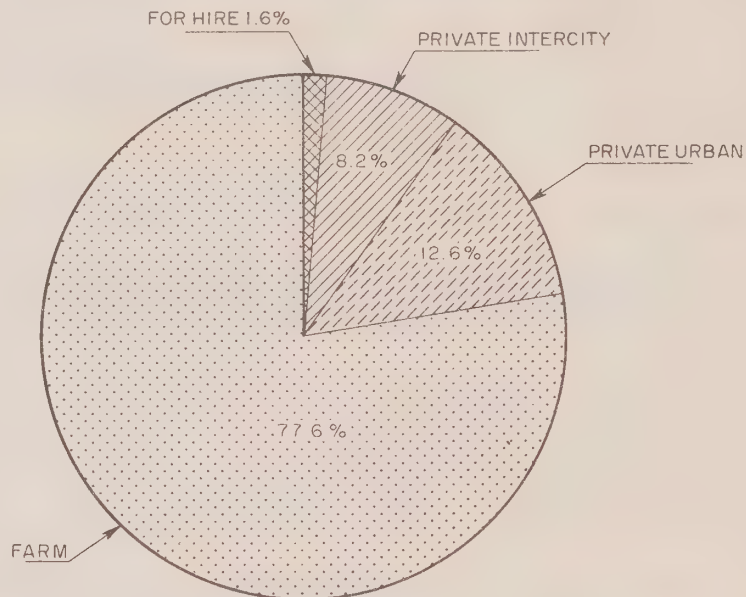
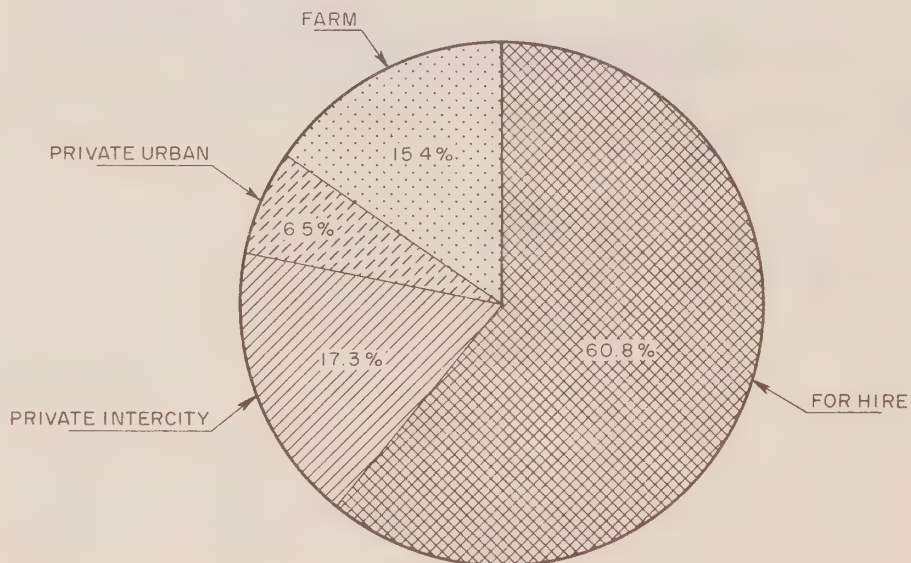


CHART-2

NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

The 1962 annual report of motor transport traffic in the Province of Saskatchewan is based upon a sample of approximately 7 per cent of trucks registered in the province. To allow for seasonal variations in traffic and to ensure that the selected vehicles represented current registrations the sample was selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample was spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month. The surveys were therefore spread over twelve weeks during the year.

All trucks registered in the province are represented except: (a) those not engaged in transportation services; and (b) military and other government-owned vehicles. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including the power units or tractors in the survey.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain according to licence; private intercity vehicles are those owned and operated by firms and individuals on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas; and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

In Saskatchewan trucks operated provincially for compensation are classed as "Public Service Vehicles". Public service vehicles used for transporting general merchandise over a given route or

for certified chartered operations are issued with an "A" licence, while those restricted to transporting specified commodities provincially are provided with an "E" licence. Vehicles owned and operated by farmers and used for their own farm operations are classified as farm vehicles and issued with an "F" licence. All other trucks are classified as commercial vehicles and are issued with a "C" licence if used within a radius of 35 miles of the owner's headquarters or a "D" licence if operated provincially.

In this report vehicles have been classified into the four functional categories as follows:

For hire	— "A" and "E" licensed vehicles.
Private intercity	— "C" and "D" licensed vehicles operating outside urban areas.
Private urban	— "C" and "D" licensed vehicles operating only within urban areas.
Farm	— "F" licensed vehicles.

It is known that some "C" and "D" licensed trucks are operated for compensation but these vehicles were not included in the for hire category. As a result, the for hire data are understated by the extent of these operations.

Further information on the history and the organization of motor transport traffic surveys may be found in the reports entitled "Motor Transport Traffic, National Estimates", Catalogue No. 53-207, for 1957 to 1961.

Expansion of Survey Results

As this survey is conducted on a sample basis the data obtained for the vehicles included in the sample have to be expanded to represent the traffic of the total truck population. The methods used in this expansion of the raw data have been continually improved. Current procedures are:

1. A truck population has to be determined. As each sample is selected quarterly the number of trucks chosen in each sample multiplied by the inverse of the sample selection ratio provides an estimated quarterly population. Prior to 1959 the data for each quarterly sample were expanded to represent the total traffic of the estimated population of the same quarter. In 1959, however, it was decided that it would be preferable to expand data for the four quarterly surveys using a constant population. This constant population would be the peak quarterly population of the previous year calculated by multiplying the sample in each quarter by the inverse of the sample selection ratios.
2. The constant population has to be broken down into gross vehicle weight groups and functions. This is already partially done as sample selec-

tions are stratified by licence and weight group. Therefore it is only necessary to multiply the sample in each weight group of each licence category by the inverse of the appropriate selection ratio to arrive at a quarterly population. The four quarterly populations by gross vehicle weight and licence categories are added together and an average weight group and licence category distribution for the year is computed. This weight group and licence category distribution is applied to the constant population. Each licence category except C and D licences corresponds to one function. For the C and D licensed population the average distribution obtained from all the previous year's completed questionnaires is used to divide these vehicles into private intercity and private urban. The above procedure was introduced in 1959. Prior to that year the distribution by function was determined for each quarter separately.

3. When the constant population has been calculated and broken down by function and gross vehicle weight group, it is necessary to allocate vehicles included in current surveys in the same manner. For hire and farm vehicles can be identified immediately by their licences. However, C and D

licensed vehicles have to be separated into private urban and private intercity classes according to the area of operation as indicated in the returned questionnaires.

4. Expansion ratios for each gross vehicle weight group of each functional category are then calculated by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant population.
5. As the survey results for sample vehicles relate to one week's operations the expansion ratios calculated in (4) have to be multiplied by 13 to cover the three month period.
6. The expanded data for the four quarters are added together to arrive at an annual total.

Review of Survey Results

The estimated population of trucks performing transportation services in Saskatchewan during the year rose 2.4 per cent to 110,300 from 107,700 in 1961. Of these, 1,800 or 1.6 per cent were for hire trucks; 9,020 or 8.2 per cent were private intercity vehicles; 13,880 or 12.6 per cent were private vehicles operating wholly within urban areas; and 85,600 or 77.6 per cent were farm trucks.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However in one or two cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected it does not necessarily follow that there were no vehicles in the province belonging to these classifications.

Section I: Traffic Inside and Outside the Province

Section I contains estimates of total traffic performed both inside and outside the province by Saskatchewan registered trucks.

Although comprising only 1.6 per cent of Saskatchewan's truck population, for hire vehicles accounted for 60.8 per cent of the total net ton miles and 9.2 per cent of the total tons of goods carried during 1962. This results from the high average yearly mileage of these trucks, 46,600 miles as compared with 4,400 miles for all trucks, and from the heavy average load carried of 11.7 tons compared to 5.5 tons for all trucks. Since nine tenths of all for hire vehicles have a gross vehicle weight of over 10 tons the heavier loads carried by these trucks are to be expected. The predominance

While the changes and improvements in methods of compilation mentioned above will to some extent influence comparisons of data between years the effects should not be overly significant. In addition it is emphasized that since the statistics contained in this report are calculated from a sample survey they are only estimates and not actual figures.

It should be noted that in 1961 the description of commodities transported by trucks was changed to conform with the revised "Standard Commodity Classification" produced by the Dominion Bureau of Statistics. Formerly commodities were classified according to the "Railway Freight Commodity Statistics Classification". The change will enable these data to be compared more easily with other commodity data produced by the Dominion Bureau of Statistics.

of heavier vehicles in the for hire class also explains the low estimate of miles per gallon of gasoline, 5.2 compared with 9.6 for all trucks.

It is estimated that urban operations accounted for 0.8 per cent of the total net ton miles performed by Saskatchewan registered for hire trucks and 1.6 per cent of the total net ton miles performed by private intercity vehicles.

Some trucks in Saskatchewan under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for about 14 per cent of the total mileage travelled by Saskatchewan registered trucks.

Section II: Traffic Within the Province

This section presents estimates of traffic performed by Saskatchewan registered trucks entirely inside the province and excludes the "outside the province" portion of interprovincial and international traffic as well as any traffic performed entirely outside the province. Comparing the data in Section I and Section II it will be noted that for hire vehicles accumulated 34.9 per cent and private intercity 22.5 per cent of their total net ton miles outside Saskatchewan.

Section III: Interprovincial and International Traffic

Interprovincial and international traffic accounted for a significant proportion of the total traffic performed by for hire vehicles, representing over one third of the total net ton miles performed and almost one third of the revenue earned by these vehicles. Almost five sevenths of the total tons of goods carried in this type of traffic by Saskatchewan registered for hire trucks was transported to or from Manitoba.

Appendix

During the year survey questionnaires were sent to the owners or operators of 8,137 trucks. Of this number 2,548 were returned completed and 2,820 trucks were reported not used during the

survey week. The remaining 2,769 were either returned incomplete and unusable or not returned at all.

SECTION I. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1—DECEMBER 31, 1962

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	83,826	110,295	72,533	221,166	487,820
Average yearly mileage per truck		46,600	12,200	5,200	2,600	4,400
Average distance each ton was carried		221.9	31.4	6.7	13.0	33.6
Percentage of total mileage travelled empty		28.9	61.4	58.7	64.9	57.0
Fuel:						
Total gallons of gasoline consumed	'000	9,091	11,514	7,090	18,890	46,585
Miles per gallon of gasoline		5.2	9.2	10.2	11.7	9.6
Total gallons of diesel oil consumed	'000	5,875	636	—	—	6,511
Miles per gallon of diesel oil		6.3	6.7	—	—	6.3
Total gallons of other fuel consumed		—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	3,150	6,347	11,118	13,560	34,175
Average weight carried ¹	ton	11.7	4.7	2.5	2.3	5.5
Net ton miles:						
Total net ton miles performed	'000	698,908	199,390	74,464	176,594	1,149,356
Average net ton miles per truck		388,300	22,100	5,400	2,100	10,400
Capacity ton miles:						
Total capacity ton miles ²	'000	1,266,588	532,757	217,053	565,609	2,582,007
Average capacity ton miles per truck		703,700	59,100	15,600	6,600	23,400
Percentage of capacity utilized		55.2	37.4	34.3	31.2	44.5
Gross ton miles:						
Total gross ton miles ³	'000	1,668,355	649,050	254,515	791,598	3,363,518
Average gross ton miles per truck		926,900	72,000	18,300	9,200	30,500
Revenue:						
Total revenue	\$'000	35,383	—	—	—	—
Revenue per ton mile	¢	5.1	—	—	—	—
Revenue per mile (total mileage travelled)	¢	42.2	—	—	—	—
Average revenue per truck	\$	19,700	—	—	—	—
Estimated annual population		1,800	9,020	13,880	85,600	110,300

TABLE 2. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled	'000	148,379	130,111	30,419	32,089	43,265	103,557
Average yearly mileage per truck		5,100	3,200	2,400	2,200	4,200	34,000
Average distance each ton was carried		11.2	15.4	12.1	10.4	15.7	68.5
Percentage of total mileage travelled empty		76.6	64.2	47.2	47.1	40.6	32.6
Fuel:							
Total gallons of gasoline consumed	'000	10,255	10,855	2,989	3,709	6,082	12,695
Miles per gallon of gasoline		14.5	12.0	10.2	8.7	7.1	4.9
Total gallons of diesel oil consumed	'000	—	—	—	—	—	6,511
Miles per gallon of diesel oil		—	—	—	—	—	6.3
Total gallons of other fuel consumed		—	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000	1,186	3,500	2,624	6,157	8,176	12,532
Average weight carried ¹	ton	0.4	1.2	2.0	3.8	5.0	12.3
Net ton miles:							
Total net ton miles performed	'000	13,231	53,895	31,793	63,946	128,550	857,941
Average net ton miles per truck		500	1,300	2,500	4,500	12,500	282,000
Capacity ton miles:							
Total capacity ton miles ²	'000	129,100	242,624	92,117	178,589	329,042	1,610,535
Average capacity ton miles per truck		4,400	5,900	7,300	12,400	31,900	529,400
Percentage of capacity utilized		10.2	22.2	34.5	35.8	39.1	53.3
Gross ton miles:							
Total gross ton miles ³	'000	242,577	379,262	134,363	195,247	338,145	2,073,924
Average gross ton miles per truck		8,300	9,300	10,700	13,600	32,800	681,800
Estimated annual population		29,189	40,784	12,594	14,367	10,324	3,042

See footnotes at end of Table 6, page 9.

TABLE 3. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under	382	5,523	23,304	4.2	61.0	2,913	12.5
30,001-50,000 lb.	456	13,454	108,167	8.0	237.4	8,194	7.6
50,001 lb. and over	2,312	40,658	567,437	14.0	245.4	24,276	4.3
Totals	3,150	59,635	698,908	11.7	221.9	35,383	5.1
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lb. and under	228	13,971	6,340		0.5		27.8
10,001-20,000 lb.	998	7,393	16,943		2.3		17.0
20,001-30,000 lb.	1,963	9,914	47,816		4.8		24.4
30,001 lb. and over	3,158	11,248	128,291		11.4		40.6
Totals	6,347	42,526	199,390		4.7		31.4

TABLE 4. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals	139	2,996	31,783	10.6	228.3	1,480	4.7
Food, feed, beverages and tobacco	290	6,188	64,119	10.4	221.2	2,759	4.3
Crude materials, inedible	128	1,534	25,305	16.5	197.1	1,038	4.1
Fabricated materials, inedible	1,194	13,905	221,556	15.9	185.6	8,504	3.8
End products, inedible	290	10,403	91,351	8.8	315.1	6,347	6.9
General freight	1,109	24,609	264,794	14.0	238.9	15,255	5.8
Totals	3,150	59,635	698,908	11.7	221.9	35,383	5.1
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals	86	1,601	11,694		7.3		136.6
Food, feed, beverages and tobacco	319	8,220	39,134		4.8		122.6
Crude materials, inedible	3,495	4,931	38,523		7.8		11.0
Fabricated materials, inedible	2,044	10,919	72,852		6.7		35.6
End products, inedible	315	12,938	31,654		2.4		100.6
General freight	88	3,917	5,533		1.4		62.5
Totals	6,347	42,526	199,390		4.7		31.4

**SECTION II. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS WITHIN THE PROVINCE
JANUARY 1—DECEMBER 31, 1962**

TABLE 5. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	57,191	99,988	72,533	221,166	450,878
Average yearly mileage per truck		31,800	11,100	5,200	2,600	4,100
Average distance each ton was carried		149.8	26.5	6.7	13.0	25.7
Percentage of total mileage travelled empty		29.8	63.8	58.7	64.9	59.2
Fuel:						
Total gallons of gasoline consumed	'000	6,516	10,281	7,090	18,890	42,777
Miles per gallon of gasoline		5.2	9.5	10.2	11.7	9.9
Total gallons of diesel oil consumed	'000	3,732	405	—	—	4,137
Miles per gallon of diesel oil		6.2	6.5	—	—	6.2
Total gallons of other fuel consumed		—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—
Weight of goods carried:						
Total tons of goods carried	'000	3,039	5,823	11,118	13,560	33,540
Average weight carried ¹	ton	11.3	4.3	2.5	2.3	4.7
Net ton miles:						
Total net ton miles performed	'000	455,319	154,491	74,464	176,594	860,868
Average net ton miles per truck		253,000	17,100	5,400	2,100	7,800
Capacity ton miles:						
Total capacity ton miles ²	'000	865,080	430,863	217,053	565,609	2,078,605
Average capacity ton miles per truck		480,600	47,800	15,600	6,600	18,800
Percentage of capacity utilized		52.6	35.9	34.3	31.2	41.4
Gross ton miles:						
Total gross ton miles ³	'000	1,086,859	521,238	254,515	791,598	2,654,210
Average gross ton miles per truck		603,800	57,800	18,300	9,200	24,100
Revenue:						
Total revenue	\$'000	24,899	—	—	—	—
Revenue per ton mile	¢	5.5	—	—	—	—
Revenue per mile (total mileage travelled)	¢	43.5	—	—	—	—
Average revenue per truck	\$	13,800	—	—	—	—
Estimated annual population		1,800	9,020	13,880	85,600	110,300

TABLE 6. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled	'000	146,682	129,135	29,584	31,994	42,126	450,878
Average yearly mileage per truck		5,000	3,200	2,300	2,200	4,100	4,100
Average distance each ton was carried		10.6	15.3	11.9	10.4	15.4	25.7
Percentage of total mileage travelled empty		77.2	64.4	46.9	47.1	40.9	59.2
Fuel:							
Total gallons of gasoline consumed	'000	10,151	10,770	2,908	3,696	5,914	42,777
Miles per gallon of gasoline		14.5	12.0	10.2	8.7	7.1	9.9
Total gallons of diesel oil consumed	'000	—	—	—	—	—	4,137
Miles per gallon of diesel oil		—	—	—	—	—	6.2
Total gallons of other fuel consumed		—	—	—	—	—	—
Miles per gallon of other fuel		—	—	—	—	—	—
Weight of goods carried:							
Total tons of goods carried	'000	1,184	3,500	2,624	6,150	8,113	33,540
Average weight carried ¹	ton	0.4	1.2	2.0	3.8	5.0	4.7
Net ton miles:							
Total net ton miles performed	'000	12,597	53,713	31,302	63,888	124,648	860,868
Average net ton miles per truck		400	1,300	2,500	4,400	12,100	7,800
Capacity ton miles:							
Total capacity ton miles ²	'000	127,687	240,910	89,655	178,175	320,510	2,078,605
Average capacity ton miles per truck		4,400	5,900	7,100	12,400	31,000	18,800
Percentage of capacity utilized		9.9	22.3	34.9	35.9	38.9	41.4
Gross ton miles:							
Total gross ton miles ³	'000	239,120	376,379	131,060	194,848	328,813	2,654,210
Average gross ton miles per truck		8,200	9,200	10,400	13,600	31,800	24,100
Estimated annual population		29,189	40,784	12,594	14,367	10,324	110,300

¹ Net ton miles divided by miles travelled with load.² Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.³ Gross ton miles are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

**SECTION III. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS
JANUARY 1 – DECEMBER 31, 1962**

TABLE 7. Tons of Goods Carried by Province of Origin and Destination

Origin and destination	For hire			Private intercity ¹			Total ¹		
	Into Saskatchewan	Out of Saskatchewan	Total	Into Saskatchewan	Out of Saskatchewan	Total	Into Saskatchewan	Out of Saskatchewan	Total
	'000 tons								
Newfoundland	—	—	—						
Prince Edward Island	—	—	—						
Nova Scotia	—	—	—						
New Brunswick	—	—	—						
Quebec	—	2	2						
Ontario	18	1	19						
Manitoba	244	265	509						
Alberta	119	71	190						
British Columbia	6	3	9						
United States	3	4	7						
Totals	390	346	736						

TABLE 8. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals	60	1,871	21,766	11.6	362.2	793	3.6
Food, feed, beverages and tobacco	76	2,149	26,647	12.4	349.9	747	2.8
Crude materials, inedible	13	367	5,897	16.1	447.2	250	4.2
Fabricated materials, inedible	231	4,620	80,290	17.4	347.8	2,526	3.1
End products, inedible	60	3,557	33,012	9.3	548.2	2,233	6.8
General freight	296	8,623	101,575	11.8	343.3	4,988	4.9
Totals	736	21,187	269,187	12.7	365.5	11,537	4.3
	Private intercity ¹						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals							
Food, feed, beverages and tobacco							
Crude materials, inedible							
Fabricated materials, inedible							
End products, inedible							
General freight							
Totals							

¹ Reliable statistics not available.

APPENDIX

Type of operation	A. Population						
	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Estimated Saskatchewan truck population in 1962							
For hire	—	79	20	105	294	1,302	1,800
Private:							
Intercity	3,992	1,998	279	638	1,339	774	9,020
Urban	7,818	2,628	837	1,011	903	683	13,880
Farm	17,379	36,079	11,458	12,613	7,788	283	85,600
Totals	29,189	40,784	12,594	14,367	10,324	3,042	110,300
B. Survey Response							
	Total number of trucks selected in samples	Number of questionnaires returned completed		Number of sampled trucks reported not in use during survey week		Number of questionnaires not returned or returned incomplete and unusable	
For hire	976	506		192		278	
Private:							
Intercity	1,781	625		534		622	
Urban	1,866	677		544		645	
Farm	3,514	740		1,550		1,224	
Totals	8,137	2,548		2,820		2,769	

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PROVINCE OF SASKATCHEWAN
1963

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TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation	4
2. Net Ton Miles by Type of Operation	4
Introduction.....	5
Section I. Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province, January 1 – December 31, 1963	
Table	
1. All Trucks by Type of Operation	7
2. All Trucks by Gross Vehicle Weight Group.....	7
3. Selected Statistics by Gross Vehicle Weight Group.....	8
4. Selected Statistics by Commodity Group	8
Section II. Traffic Performed by Saskatchewan Registered Trucks Within the Province, January 1 – December 31, 1963	
5. All Trucks by Type of Operation	9
6. All Trucks by Gross Vehicle Weight Group.....	9
Section III. Interprovincial and International Traffic Performed by Saskatchewan Registered Trucks, January 1 – December 31, 1963	
7. Tons of Goods Carried by Province of Origin and Destination	10
8. Selected Statistics by Commodity Group	10
Appendix	
A. Population B. Survey Response.....	11

PROVINCE OF SASKATCHEWAN
JANUARY 1 - DECEMBER 31, 1963

CHART - 1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

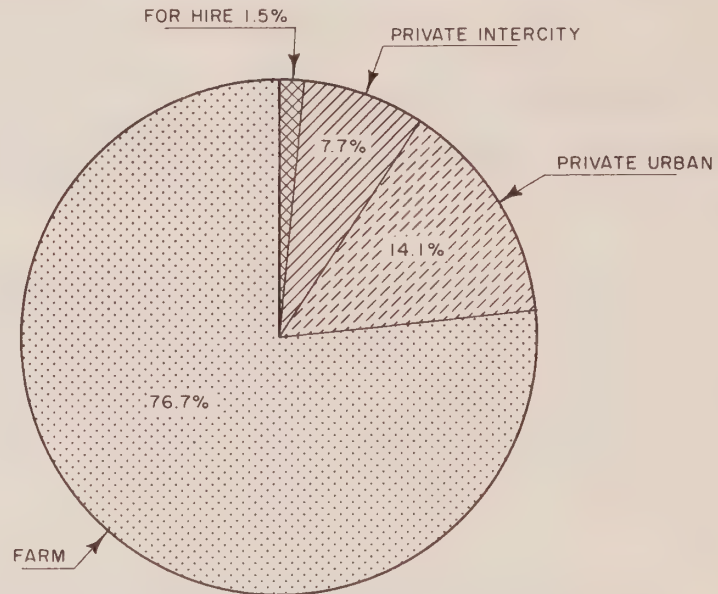
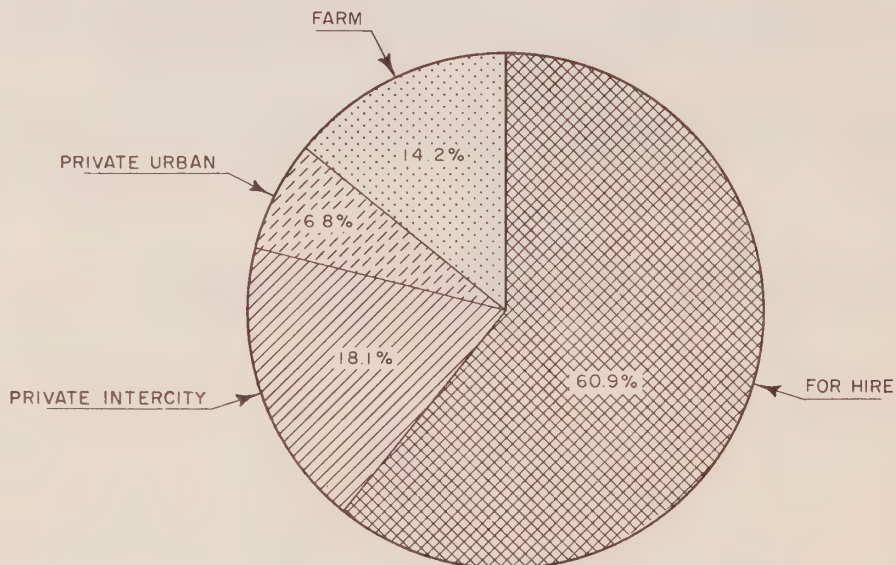


CHART - 2

NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

The 1963 annual report of motor transport traffic in the Province of Saskatchewan is based upon a sample of approximately 7 per cent of trucks registered in the province. To allow for seasonal variations in traffic and to ensure that the selected vehicles represented current registrations the sample was selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample was spread over three survey weeks with one third of the sample being used for a seven day period, Sunday through Saturday, per month. The Surveys were therefore spread over twelve weeks during the year.

All trucks registered in the province are represented except: (a) those not engaged in transportation services; and (b) military and other government-owned vehicles. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including the power units or tractors in the survey.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain according to licence; private intercity vehicles are those owned and operated by firms and individuals on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas; and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

In Saskatchewan trucks operated provincially for compensation are classed as "Public Service Vehicles". Public service vehicles used for trans-

porting general merchandise over a given route or for certified chartered operations are issued with an "A" licence, while those restricted to transporting specified commodities provincially are provided with an "E" licence. Vehicles owned and operated by farmers and used for their own farm operations are classified as farm vehicles and issued with an "F" licence. All other trucks are classified as commercial vehicles and are issued with a "C" licence if used within a radius of 35 miles of the owner's headquarters or a "D" licence if operated provincially.

In this report vehicles have been classified into the four functional categories as follows:

- | | |
|-------------------|--|
| For hire | — "A" and "E" licensed vehicles. |
| Private intercity | — "C" and "D" licensed vehicles operating outside urban areas. |
| Private urban | — "C" and "D" licensed vehicles operating only within urban areas. |
| Farm | — "F" licensed vehicles. |

It is known that some "C" and "D" licensed trucks are operated for compensation but these vehicles were not included in the for hire category. As a result, the for hire data are understated by the extent of these operations.

Further information on the history and the organization of motor transport traffic surveys may be found in the reports entitled "Motor Transport Traffic, National Estimates", Catalogue No. 53-207, for 1957 to 1962.

Expansion of Survey Results

As this survey is conducted on a sample basis the data obtained for the vehicles included in the sample have to be expanded to represent the traffic of the total truck population. The methods used in this expansion of the raw data have been continually improved. Current procedures are:

1. A truck population has to be determined. As each sample is selected quarterly the number of trucks chosen in each sample multiplied by the inverse of the sample selection ratio provides an estimated quarterly population. Prior to 1959 the data for each quarterly sample were expanded to represent the total traffic of the estimated population of the same quarter. In 1959, however, it was decided that it would be preferable to expand data for the four quarterly surveys using a constant population. This constant population would be the peak quarterly population of the previous year calculated by multiplying the sample in each quarter by the inverse of the sample selection ratios.
2. The constant population has to be broken down into gross vehicle weight groups and functions. This is already partially done as sample selections are stratified by licence and weight group.

Therefore it is only necessary to multiply the sample in each weight group of each licence category by the inverse of the appropriate selection ratio to arrive at a quarterly population. The four quarterly populations by gross vehicle weight and licence categories are added together and an average weight group and licence category distribution for the year is computed. This weight group and licence category distribution is applied to the constant population. Each licence category except C and D licences corresponds to one function. For the C and D licensed population the average distribution obtained from all the previous year's completed questionnaires is used to divide these vehicles into private intercity and private urban. The above procedure was introduced in 1959. Prior to that year the distribution by function was determined for each quarter separately.

3. When the constant population has been calculated and broken down by function and gross vehicle weight group, it is necessary to allocate vehicles included in current surveys in the same manner. For hire and farm vehicles can be identified immediately by their licences. However, C and D licensed vehicles have to be separated into

private urban and private intercity classes according to the area of operation as indicated in the returned questionnaires.

4. Expansion ratios for each gross vehicle weight group of each functional category are then calculated by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant population.
5. As the survey results for sample vehicles relate to one week's operations the expansion ratios calculated in (4) have to be multiplied by 13 to cover the three month period.
6. The expanded data for the four quarters are added together to arrive at an annual total.

While the changes and improvements in methods of compilation mentioned above will to some extent influence comparisons of data between years the effects should not be overly significant. In addition it is emphasized that since the statistics contained in this report are calculated from a sample survey they are only estimates and not actual figures.

It should be noted that in 1961 the description of commodities transported by trucks was changed to conform with the revised "Standard Commodity Classification" produced by the Dominion Bureau of Statistics. Formerly commodities were classified according to the "Railway Freight Commodity Statistics Classification". The change will enable these data to be compared more easily with other commodity data produced by the Dominion Bureau of Statistics.

Review of Survey Results

The estimated population of trucks performing transportation services in Saskatchewan during the year rose 2.1 per cent to 112,600 from 110,300 in 1962. Of these, 1,700 or 1.5 per cent were for hire trucks; 8,657 or 7.7 per cent were private intercity vehicles; 15,843 or 14.1 per cent were private vehicles operating wholly within urban areas; and 86,400 or 76.7 per cent were farm trucks.

In the following tables blanks appear for some breakdowns of diesel fuel and other fuel by type of operation and by gross vehicle weight. In most of these instances no vehicles were chosen belonging to these classifications in any of the quarterly sample selections. However in one or two cases a few vehicles were selected but the data collected were considered too unreliable to publish. Even where no vehicles were selected it does not necessarily follow that there were no vehicles in the province belonging to these classifications.

Section I: Traffic Inside and Outside the Province

Section I contains estimates of total traffic performed both inside and outside the province by Saskatchewan registered trucks.

Although comprising only 1.5 per cent of Saskatchewan's truck population, for hire vehicles accounted for 60.9 per cent of the total net ton miles and 10.2 per cent of the total tons of goods carried during 1963. This results from the high average yearly mileage of these trucks, 43,800 miles as compared with 4,300 miles for all trucks, and from the heavy average load carried of 12.0 tons compared to 5.3 tons for all trucks. Since almost nine tenths of all for hire vehicles have a gross vehicle weight of over 10 tons the heavier loads carried by these trucks are to be expected. The predominance of

heavier vehicles in the for hire class also explains the low estimate of miles per gallon of gasoline, 5.5 compared with 10.1 for all trucks.

It is estimated that urban operations accounted for 0.4 per cent of the total net ton miles performed by Saskatchewan registered for hire trucks and 1.5 per cent of the total net ton miles performed by private intercity vehicles.

Some trucks in Saskatchewan under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for 12.3 per cent of the total mileage travelled by Saskatchewan registered trucks.

Section II: Traffic Within the Province

This section presents estimates of traffic performed by Saskatchewan registered trucks entirely inside the province and excludes the "outside the province" portion of interprovincial and international traffic as well as any traffic performed entirely outside the province. Comparing the data in Section I and Section II it will be noted that for hire vehicles accumulated 66.3 per cent and private intercity 77.7 per cent of their total net ton miles inside Saskatchewan.

Section III: Interprovincial and International Traffic

Interprovincial and international traffic accounted for a significant proportion of the total traffic performed by for hire vehicles, representing over one third of the total net ton miles performed and almost one third of the revenue earned by these vehicles. Almost two thirds of the total tons of goods carried in this type of traffic by Saskatchewan registered for hire trucks was transported to or from Manitoba.

Appendix

During the year survey questionnaires were sent to the owners or operators of 8,491 trucks. Of this number 2,447 were returned completed and 2,610 trucks were reported not used during the

survey week. The remaining 3,434 were either returned incomplete and unusable or not returned at all.

**SECTION I. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 - DECEMBER 31, 1963**

TABLE 1. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	74,395	97,316	74,748	233,939	480,398
Average yearly mileage per truck		43,800	11,200	4,700	2,700	4,300
Average distance each ton was carried		184.2	30.2	7.0	10.5	30.7
Percentage of total mileage travelled empty		27.8	59.4	55.4	69.3	58.7
Fuel:						
Total gallons of gasoline consumed	'000	7,475	9,351	7,195	19,532	43,553
Miles per gallon of gasoline		5.5	9.6	10.4	12.0	10.1
Total gallons of diesel oil consumed	'000	5,577	1,012	24	—	6,613
Miles per gallon of diesel oil		5.9	6.5	4.3	—	6.0
Total gallons of other fuel consumed	'000	28	172	—	—	200
Miles per gallon of other fuel		6.3	5.8	—	—	5.8
Weight of goods carried:						
Total tons of goods carried	'000	3,496	6,359	10,213	14,346	34,414
Average weight carried ¹	ton	12.0	4.9	2.1	2.1	5.3
Net ton miles:						
Total net ton miles performed	'000	644,127	192,204	71,657	149,918	1,057,906
Average net ton miles per truck		378,900	22,200	4,500	1,700	9,400
Capacity ton miles:						
Total capacity ton miles ²	'000	1,172,508	509,267	203,839	574,120	2,459,734
Average capacity ton miles per truck		689,700	58,800	12,900	6,600	21,800
Percentage of capacity utilized		54.9	37.7	35.2	26.1	43.0
Gross ton miles:						
Total gross ton miles ³	'000	1,496,767	617,527	273,341	787,388	3,175,023
Average gross ton miles per truck		880,500	71,300	17,300	9,100	28,200
Revenue:						
Total revenue	\$'000	35,222	—	—	—	—
Revenue per ton mile	¢	5.5	—	—	—	—
Revenue per mile (total mileage travelled)	¢	47.3	—	—	—	—
Average revenue per truck	\$	20,700	—	—	—	—
Estimated annual population		1,700	8,657	15,843	86,400	112,600

TABLE 2. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled	'000	144,741	134,902	33,197	31,674	43,242	480,398
Average yearly mileage per truck		4,700	3,300	2,500	2,300	4,000	4,300
Average distance each ton was carried		14.6	7.4	10.1	11.4	14.9	30.7
Percentage of total mileage travelled empty		75.1	69.4	53.1	47.2	39.2	58.7
Fuel:							
Total gallons of gasoline consumed	'000	9,852	10,956	3,349	3,826	5,665	43,553
Miles per gallon of gasoline		14.7	12.3	9.9	8.2	7.5	10.1
Total gallons of diesel oil consumed	'000	—	—	—	19	2	6,613
Miles per gallon of diesel oil		—	—	—	9.1	6.9	6.0
Total gallons of other fuel consumed	'000	—	—	—	33	139	200
Miles per gallon of other fuel		—	—	—	6.7	5.5	5.8
Weight of goods carried:							
Total tons of goods carried	'000	810	5,016	3,272	5,575	7,822	34,414
Average weight carried ¹	ton	0.3	0.9	2.1	3.8	4.4	5.3
Net ton miles:							
Total net ton miles performed	'000	11,807	37,122	33,044	63,633	116,243	1,057,906
Average net ton miles per truck		400	900	2,500	4,600	10,700	9,400
Capacity ton miles:							
Total capacity ton miles ²	'000	121,789	236,291	103,934	168,855	324,989	2,459,734
Average capacity ton miles per truck		4,000	5,800	7,900	12,100	30,000	21,800
Percentage of capacity utilized		9.7	15.7	31.8	37.7	35.8	43.0
Gross ton miles:							
Total gross ton miles ³	'000	252,752	377,963	144,858	192,817	327,029	3,175,023
Average gross ton miles per truck		8,200	9,200	11,000	13,900	30,200	28,200
Estimated annual population		30,740	40,951	13,083	13,899	10,841	112,600

TABLE 3. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under	500	6,119	23,515	3.8	47.0	2,680	11.4
30,001-50,000 lb.	549	10,029	86,125	8.6	156.8	8,650	10.0
50,001 lb. and over	2,447	37,528	534,487	14.2	218.5	23,892	4.5
Totals	3,496	53,676	644,127	12.0	184.2	35,222	5.5
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lb. and under	137	11,486	4,241	0.4	30.9		
10,001-20,000 lb.	468	6,611	13,186	2.0	28.2		
20,001-30,000 lb.	2,084	9,828	41,980	4.3	20.1		
30,001 lb. and over	3,670	11,565	132,797	11.5	36.2		
Totals	6,359	39,490	192,204	4.9	30.2		

TABLE 4. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals	102	2,512	23,874	9.5	234.4	1,163	4.9
Food, feed, beverages and tobacco	352	5,264	53,948	10.2	153.3	3,042	5.6
Crude materials, inedible	260	1,385	24,228	17.5	93.2	983	4.1
Fabricated materials, inedible	1,362	14,278	240,896	16.9	176.8	8,749	3.6
End products, inedible	322	9,939	91,904	9.2	285.2	8,863	9.6
General freight	1,098	20,298	209,277	10.3	190.7	12,422	5.9
Totals	3,496	53,676	644,127	12.0	184.2	35,222	5.5
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals	73	1,742	20,695	11.9	282.2		
Food, feed, beverages and tobacco	418	9,167	36,667	4.0	87.6		
Crude materials, inedible	3,783	3,706	40,044	10.8	10.6		
Fabricated materials, inedible	1,767	12,059	69,164	5.7	39.1		
End products, inedible	265	9,661	18,060	1.9	68.1		
General freight	53	3,155	7,574	2.4	141.9		
Totals	6,359	39,490	192,204	4.9	30.2		

**SECTION II. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS WITHIN THE PROVINCE
JANUARY 1—DECEMBER 31, 1963**

TABLE 5. All Trucks by Type of Operation

		For hire	Private			Total
			Intercity	Urban	Farm	
Mileage:						
Total mileage travelled	'000	52,926	90,204	74,748	233,939	451,817
Average yearly mileage per truck		31,100	10,400	4,700	2,700	4,000
Average distance each ton was carried		127.0	27.0	7.0	10.5	23.8
Percentage of total mileage travelled empty		29.6	60.0	55.4	69.3	60.5
Fuel:						
Total gallons of gasoline consumed	'000	5,683	8,850	7,195	19,532	41,260
Miles per gallon of gasoline		5.5	9.7	10.4	12.0	10.3
Total gallons of diesel oil consumed	'000	3,579	481	24	—	4,084
Miles per gallon of diesel oil		5.9	6.6	4.3	—	6.0
Total gallons of other fuel consumed	'000	28	172	—	—	200
Miles per gallon of other fuel		6.2	5.8	—	—	5.8
Weight of goods carried:						
Total tons of goods carried	'000	3,364	5,537	10,213	14,346	33,460
Average weight carried ¹	ton	11.5	4.1	2.1	2.1	4.5
Net ton miles:						
Total net ton miles performed	'000	427,106	149,319	71,657	149,918	798,000
Average net ton miles per truck		251,200	17,200	4,500	1,700	7,100
Capacity ton miles:						
Total capacity ton miles ²	'000	824,843	416,207	203,839	574,120	2,019,009
Average capacity ton miles per truck		485,200	48,100	12,900	6,600	17,900
Percentage of capacity utilized		51.8	35.9	35.2	26.1	39.5
Gross ton miles:						
Total gross ton miles ³	'000	1,008,828	499,307	273,341	787,388	2,568,864
Average gross ton miles per truck		593,400	57,700	17,300	9,100	22,800
Revenue:						
Total revenue	\$'000	24,075	—	—	—	—
Revenue per ton mile	¢	5.6	—	—	—	—
Revenue per mile (total mileage travelled)	¢	45.5	—	—	—	—
Average revenue per truck	\$	14,200	—	—	—	—
Estimated annual population		1,700	8,657	15,843	86,400	112,600

TABLE 6. All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled	'000	144,741	133,691	33,197	31,674	42,086	451,817
Average yearly mileage per truck		4,700	3,300	2,500	2,300	3,900	4,000
Average distance each ton was carried		14.6	7.4	10.1	11.4	14.4	23.8
Percentage of total mileage travelled empty		75.1	69.1	53.1	47.2	39.8	60.5
Fuel:							
Total gallons of gasoline consumed	'000	9,852	10,878	3,349	3,826	5,516	41,260
Miles per gallon of gasoline		14.7	12.3	9.9	8.2	7.5	10.3
Total gallons of diesel oil consumed	'000	—	—	—	19	2	4,084
Miles per gallon of diesel oil		—	—	—	9.1	6.9	6.0
Total gallons of other fuel consumed	'000	—	—	—	33	139	200
Miles per gallon of other fuel		—	—	—	6.7	5.5	5.8
Weight of goods carried:							
Total tons of goods carried	'000	810	5,016	3,272	5,575	7,771	33,460
Average weight carried ¹	ton	0.3	0.9	2.1	3.8	4.4	4.5
Net ton miles:							
Total net ton miles performed	'000	11,807	37,122	33,044	63,633	111,932	798,000
Average net ton miles per truck		400	900	2,500	4,600	10,300	7,100
Capacity ton miles:							
Total capacity ton miles ²	'000	121,789	234,967	103,934	168,855	316,401	2,019,009
Average capacity ton miles per truck		4,000	5,700	7,900	12,100	29,200	17,900
Percentage of capacity utilized		9.7	15.8	31.8	37.7	35.4	39.5
Gross ton miles:							
Total gross ton miles ³	'000	252,752	375,672	144,858	192,817	317,126	2,568,864
Average gross ton miles per truck		8,200	9,200	11,100	13,900	29,300	22,800
Estimated annual population		30,740	40,951	13,083	13,899	10,841	112,600

¹ Net ton miles divided by miles travelled with load.² Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.³ Gross ton miles are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

**SECTION III. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS
JANUARY 1-DECEMBER 31, 1963**

TABLE 7. Tons of Goods Carried by Province of Origin and Destination

Origin and destination	For hire			Private intercity			Total		
	Into Saskat- chewan	Out of Saskat- chewan	Total	Into Saskat- chewan	Out of Saskat- chewan	Total	Into Saskat- chewan	Out of Saskat- chewan	Total
'000 tons									
Newfoundland	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—	—	—	—
New Brunswick	—	—	—	—	—	—	—	—	—
Quebec	—	4	4	—	—	—	—	4	4
Ontario	21	3	24	2	—	2	23	3	26
Manitoba	148	236	384	40	53	93	188	289	477
Alberta	114	59	173	2	14	16	116	73	189
British Columbia	5	—	5	—	—	—	5	—	5
United States	—	5	5	12	20	32	12	25	37
Totals	288	307	595	56	87	143	344	394	738

TABLE 8. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals	50	1,668	17,486	10.5	348.9	725	4.1
Food, feed, beverages and tobacco	31	1,155	13,727	11.9	439.8	389	2.8
Crude materials, inedible	9	313	6,329	20.2	730.5	128	2.0
Fabricated materials, inedible	239	4,561	87,538	19.2	366.5	2,695	3.1
End products, inedible	74	4,007	45,312	11.3	611.2	3,338	7.4
General freight	192	5,683	75,585	13.3	393.3	2,945	3.9
Totals	595	17,387	245,977	14.1	413.3	10,220	4.2
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals	19	918	15,821	17.2	828.4		
Food, feed, beverages and tobacco	23	280	3,274	11.7	145.3		
Crude materials, inedible	44	171	2,375	13.9	54.2		
Fabricated materials, inedible	42	767	11,500	15.0	271.9		
End products, inedible	8	315	2,764	8.8	329.3		
General freight	7	381	4,480	11.8	667.8		
Totals	143	2,832	40,214	14.2	281.5		

APPENDIX

Type of operation	A. Population						
	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Estimated Saskatchewan truck population in 1963							
For hire.....	—	94	44	63	319	1,180	1,700
Private:							
Intercity	3,787	1,488	386	731	1,352	913	8,657
Urban.....	9,205	3,381	785	871	885	716	15,843
Farm	17,748	35,988	11,868	12,234	8,285	277	86,400
Totals	30,740	40,951	13,083	13,899	10,841	3,086	112,600
B. Survey Response							
	Total number of trucks selected in samples	Number of questionnaires returned completed		Number of sampled trucks reported not in use during survey week		Number of questionnaires not returned or returned incomplete and unusable	
For hire.....	909	457		170		282	
Private:							
Intercity	1,947	632		540		775	
Urban.....	1,879	635		508		736	
Farm	3,756	723		1,392		1,641	
Totals	8,491	2,447		2,610		3,434	

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MOTOR TRANSPORT TRAFFIC
PROVINCE OF SASKATCHEWAN
1964

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TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation	4
2. Net Ton Miles by Type of Operation	4
Introduction	5

Section I. Traffic Performed by Saskatchewan Registered Trucks Inside and Outside the Province, January 1 – December 31, 1964

Table

1. Total Operations of All Trucks	7
1 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks	7
2. Total Operations of All Trucks by Gross Vehicle Weight Group	8
2 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks by Gross Vehicle Weight Group	8
3. Selected Statistics by Gross Vehicle Weight Group	9
4. Selected Statistics by Commodity Group	9

Section II. Traffic Performed by Saskatchewan Registered Trucks Within the Province, January 1 – December 31, 1964

5. Total Operations of All Trucks	10
5 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks	10
6. Total Operations of All Trucks by Gross Vehicle Weight Group	11
6 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks by Gross Vehicle Weight Group	11

Section III. Interprovincial and International Traffic Performed by Saskatchewan Registered Trucks, January 1 – December 31, 1964

7. Tons of Goods Carried by Province of Origin and Destination	12
8. Selected Statistics by Commodity Group	12

Appendix

Estimated Saskatchewan Truck Population	13
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PROVINCE OF SASKATCHEWAN
JANUARY 1 — DECEMBER 31, 1964

CHART - 1

TRUCK REGISTRATIONS BY TYPE OF OPERATION

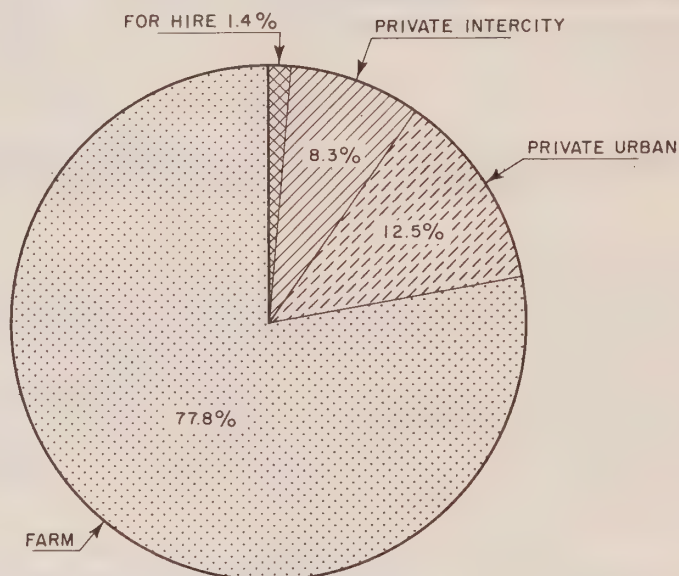
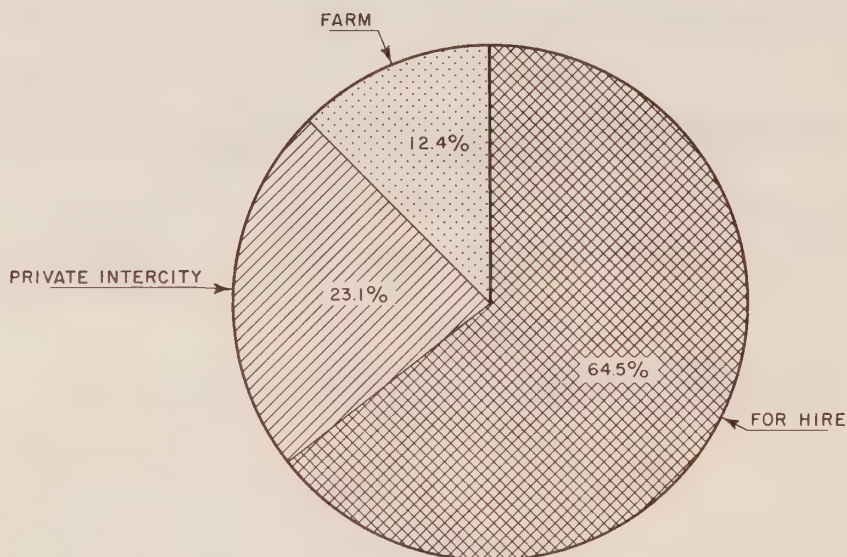


CHART - 2

NET TON MILES BY TYPE OF OPERATION



INTRODUCTION

The 1964 annual report of motor transport traffic in the Province of Saskatchewan is based upon a sample of approximately 5 per cent of trucks registered in the province. To allow for seasonal variations in traffic and to ensure that the selected vehicles represented current registrations the sample was selected in four quarterly segments with approximately one fourth of the total selected each quarter. Each quarterly sample was spread over three survey weeks, with one third of the sample being used for a seven day period, Sunday through Saturday, per month. The surveys were therefore spread over twelve weeks during the year.

All trucks registered in the province are represented except: (a) those not engaged in transportation services; and (b) military and other government-owned vehicles. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including the power units or tractors in the survey.

Vehicles in the sample are stratified by type of operation and by gross vehicle weight group. The four functional categories used are: for hire, private intercity, private urban and farm. For hire vehicles are those operated for compensation or gain according to licence; private intercity vehicles are those owned and operated by firms and individuals on intercity routes to transport their own goods; private urban vehicles are those operated only within urban areas; and farm trucks are those operated by farmers primarily to transport farm produce and supplies.

In Saskatchewan trucks operated provincially for compensation are classed as "Public Service Vehicles". Public service vehicles used for transporting general merchandise over a given route or for certified chartered operations are issued with an "A" licence, while those restricted to transporting specified commodities provincially are

provided with an "E" licence. Vehicles owned and operated by farmers and used for their own farm operations are classified as farm vehicles and issued with an "F" licence. All other trucks are classified as commercial vehicles and are issued with a "C" licence if used within a radius of 35 miles of the owner's headquarters or a "D" licence if operated provincially.

In this report vehicles have been classified into the four functional categories as follows:

- For hire — "A" and "E" licensed vehicles.
- Private intercity — "C" and "D" licensed vehicles operating outside urban areas.
- Private urban — "C" and "D" licensed vehicles operating only within urban areas.
- Farm — "F" licensed vehicles.

It is known that some "C" and "D" licensed trucks are operated for compensation but these vehicles were not included in the for hire category. As a result, the for hire data are understated by the extent of these operations.

Beginning in 1964 the only data recorded for vehicles performing **urban or local** operations, regardless of category, are **miles travelled** and **gallons of fuel used** and the **estimated population**. For this reason the 1964 figures shown under various traffic headings are not entirely comparable to the statistics published for 1963.

Further information on the history and the organization of motor transport traffic surveys may be found in the reports entitled "Motor Transport Traffic, National Estimates", Catalogue No. 53-207, for 1957 to 1963.

Expansion of Survey Results

As the survey is conducted on a sample basis, data obtained for vehicles included in the sample have to be expanded to represent the traffic of the total truck population. The methods used in this expansion of the raw data have been continually improved. Current procedures are:

1. A truck population figure which remains constant for all four quarterly surveys is determined. This constant population is the peak figure of the previous year's quarterly sample population estimates. These estimates are made by multiplying the sample size in each quarter by the inverse of the sample selection ratios.
2. The constant population has to be broken down into gross vehicle weight groups and functions. Therefore, it is necessary to multiply the quarterly sample in each weight group by the inverse of the appropriate selection ratio to arrive at quarterly population broken down by weight group.

The four quarterly populations by gross vehicle weight are added together and a distribution of averages in each weight group for the year is computed. This weight group distribution is applied to the constant population. The population then has to be distributed by function. Each licence category except C and D licences corresponds to one function. For the C and D licensed population the average distribution obtained from all the previous year's completed questionnaires is used to divide these vehicles into private intercity and private urban. Prior to 1959 the distribution by function was determined for each quarter separately.

3. When the constant population has been calculated and broken down by function and gross vehicle weight group, it is necessary to allocate vehicles included in current surveys in the same manner. For hire and farm vehicles can be identified immediately by their licences. However, C and D

licensed vehicles have to be separated into private, urban, and private intercity classes according to the area of operation as indicated in the returned questionnaires.

4. Expansion ratios for each gross vehicle weight group of each functional category are then calculated by determining for each breakdown the number of vehicles for which completed questionnaires were received or which were not in use during the survey period and dividing this sum into the constant population.
5. As the survey results for sample vehicles relate to one week's operations the expansion ratios have to be multiplied by 13 to cover the three month period.
6. The expanded data for the four quarters are added together to arrive at an annual total.

While the changes and improvements in methods of compilation mentioned above will to some extent influence comparisons of data between years the effects should not be too significant. In addition, it is emphasized that, since the statistics contained in this report are calculated from a sample survey they are only estimates and not actual figures.

It should be noted that in 1961 the description of commodities transported by trucks was changed to conform with the revised "Standard Commodity Classification" produced by the Dominion Bureau of Statistics. Formerly commodities were classified according to the "Railway Freight Commodity Statistics Classification". The change will enable these data to be compared more easily with other commodity data produced by the Dominion Bureau of Statistics.

Review of Survey Results

The estimated population of trucks performing transportation services in Saskatchewan during 1964 rose 3.0 per cent, to 116,000 from 112,600 in the previous year. Of these, 1,600, or 1.4 per cent were for hire trucks; 9,659, or 8.3 per cent were private intercity vehicles; 14,441, or 12.5 per cent were private vehicles operating wholly within urban areas; and 90,300, or 77.8 per cent were farm trucks.

In the following tables blanks appear for some breakdowns of categories, e.g. diesel fuel and other fuel. In most instances an insufficient number of vehicles were chosen in these categories to produce reliable statistics. However, it does not necessarily follow that there were no vehicles in the province relating to these classifications.

Section I: Traffic Inside and Outside the Province

Although comprising only 1.4 per cent of Saskatchewan's truck population, for hire vehicles accounted for 64.5 per cent of the total net ton miles and 13.4 per cent of the total tons of goods carried during 1964. This results from the high average yearly mileage of these trucks—39,200 miles as compared with 3,700 miles for all trucks—and from the heavy average load carried—of 11.9 tons, compared to 6.2 tons for all trucks. Since about four fifths of all for hire vehicles have a gross vehicle weight of over 10 tons, the heavier loads carried by these trucks are to be expected. The predominance of heavier vehicles in the for hire class also explains the low estimate of miles per gallon of gasoline—5.2 compared with 9.2 for all trucks.

Some trucks in Saskatchewan under 10,000 lb. gross vehicle weight are used essentially for personal transportation. Such vehicles accounted for 13.5 per cent of the total mileage travelled by Saskatchewan-registered trucks.

Section II: Traffic Within the Province

This section presents estimates of traffic performed by Saskatchewan-registered trucks entirely inside the province, and excludes the "outside the province" portion of interprovincial and international traffic as well as any traffic performed entirely outside the province. Comparing the data in Section I and Section II it will be noted that for hire vehicles accumulated 70.3 per cent, and private intercity, 89.0 per cent, of their total net ton miles inside Saskatchewan.

Section III: Interprovincial and International Traffic

Interprovincial and International traffic accounted for a significant proportion of the total traffic performed by for hire vehicles, representing over one third of both the total net ton miles performed and revenue earned by these vehicles. Almost two thirds of the total tons of goods carried in this type of traffic by Saskatchewan-registered for hire trucks was transported to or from Manitoba.

Appendix

The appendix contains the estimated truck population in 1964 by gross vehicle weight groups.

February 16, 1966.

**SECTION I. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE
JANUARY 1 – DECEMBER 31, 1964**

TABLE 1. Total Operations (Intercity, Rural and Urban) of All Trucks

	For hire	Private			Total
		Intercity	Urban	Farm	
Mileage:					
Total mileage travelled '000	62,692	113,720	74,743	182,880	434,035
Average yearly mileage per truck 39,200	39,200	11,800	5,200	2,000	3,700
Revenue per mile (total mileage travelled) ¢ 40.1	40.1	—	—	—	—
Fuel:					
Total gallons of gasoline consumed '000	5,500	9,939	8,368	18,652	42,459
Miles per gallon of gasoline 5.2	5.2	10.7	8.9	9.8	9.2
Total gallons of diesel oil consumed '000	5,816	875	33	56	6,780
Miles per gallon of diesel oil 5.8	5.8	5.9	7.4	6.2	5.8
Total gallons of other fuel consumed '000	10	372	—	—	382
Miles per gallon of other fuel 5.6	5.6	5.3	—	—	5.3
Estimated annual population	1,600	9,659	14,441	90,300	116,000

TABLE 1 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks

		For hire	Private		Total
			Intercity	Farm	
Mileage:					
Total mileage travelled	'000	62,692	113,720	182,880	359,292
Percentage of total mileage travelled empty		26.8	66.4	71.6	62.1
Weight of goods carried:					
Total tons of goods carried	'000	2,675	8,927	8,384	19,986
Average weight carried ¹	ton	11.9	5.1	2.0	6.2
Average distance each ton was carried		203.9	21.9	12.5	42.3
Net ton miles:					
Total net ton miles performed	'000	545,450	195,156	104,463	845,069
Average net ton miles per truck		340,900	20,200	1,200	8,300
Capacity ton miles:					
Total capacity ton miles ²	'000	1,016,772	544,386	449,110	2,010,268
Average capacity ton miles per truck		635,500	56,400	5,000	19,800
Percentage of capacity utilized		53.6	35.8	23.3	42.0
Gross ton miles:					
Total gross ton miles ³	'000	1,304,302	652,678	573,593	2,530,573
Average gross ton miles per truck		815,200	67,600	6,400	24,900
Revenue:					
Total revenue	\$'000	25,112	—	—	—
Revenue per ton mile	¢	4.6	—	—	—
Average revenue per truck	\$	15,700	—	—	—
Estimated annual population		1,600	9,659	90,300	101,559

See footnotes at end of Table 6 A, page 11.

Note: Table 1 A excludes the operations of vehicles in the urban category and the urban operations of for hire and private intercity vehicles (except mileage). For further explanation of the difference between Table 1 and Table 1 A see page 5, paragraph 7 of text.

TABLE 2. Total Operations (Intercity, Rural and Urban) of All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled '000	150,121	115,578	20,485	22,341	43,299	82,211	434,035
Average yearly mileage per truck	4,800	2,800	1,500	1,600	3,600	28,500	3,700
Fuel:							
Total gallons of gasoline consumed '000	11,940	10,809	2,733	2,848	5,815	8,314	42,459
Miles per gallon of gasoline	12.6	10.6	7.5	7.8	7.4	5.0	9.2
Total gallons of diesel oil consumed '000	—	—	—	—	—	6,780	6,780
Miles per gallon of diesel oil	—	—	—	—	—	5.8	5.8
Total gallons of other fuel consumed '000	—	217	—	—	40	125	382
Miles per gallon of other fuel	—	4.5	—	—	5.8	6.5	5.3
Estimated annual population	31,188	41,843	13,712	14,263	12,106	2,888	116,000

TABLE 2 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled '000	111,327	98,504	17,200	18,435	37,018	76,808	359,292
Percentage of total mileage travelled empty	81.3	75.1	45.2	57.1	44.4	31.4	62.1
Weight of goods carried:							
Total tons of goods carried '000	317	2,143	1,925	1,618	4,086	9,897	19,986
Average weight carried ¹ ton	0.2	1.0	1.2	3.5	4.1	13.2	6.2
Average distance each ton was carried	14.7	11.1	6.1	16.9	20.7	70.0	42.3
Net ton miles:							
Total net ton miles performed '000	4,643	23,714	11,676	27,376	84,417	693,243	845,069
Average net ton miles per truck	200	600	900	2,000	7,500	317,000	8,300
Capacity ton miles:							
Total capacity ton miles ² '000	92,221	184,626	56,565	89,553	264,493	1,322,810	2,010,268
Average capacity ton miles per truck	4,000	4,800	4,400	6,700	23,500	604,900	19,800
Percentage of capacity utilized	5.0	12.8	20.6	30.6	31.9	52.4	42.0
Gross ton miles:							
Total gross ton miles ³ '000	189,136	272,534	69,155	102,354	262,402	1,634,992	2,530,573
Average gross ton miles per truck	8,200	7,100	5,300	7,700	23,300	747,600	24,900
Estimated annual population	23,173	38,609	12,986	13,364	11,240	2,187	101,559

See footnotes at end of Table 6 A, page 11.

Note: Table 2 A excludes the operations of vehicles in the urban category and the urban operations of for hire and private intercity vehicles (except mileage). For further explanation of the difference between Table 2 and Table 2 A see page 5, paragraph 7 of text.

TABLE 3. Selected Statistics by Gross Vehicle Weight Group

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
30,000 lb. and under	181	3,994	12,066	3.0	66.7	1,635	13.6
30,001-50,000 lb.	274	6,817	57,017	8.4	208.3	5,703	10.0
50,001 lb. and over	2,220	35,083	476,367	13.6	214.6	17,774	3.7
Totals	2,675	45,894	545,450	11.9	203.9	25,112	4.6
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lb. and under	107	10,878	3,513		0.3		32.8
10,001-20,000 lb.	480	6,523	14,156		2.2		29.5
20,001-30,000 "	1,218	11,110	45,056		4.1		37.0
30,001 lb. and over	7,122	9,718	132,431		13.6		18.6
Totals	8,927	38,229	195,156		5.1		21.9

TABLE 4. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals	110	2,878	28,811	10.0	261.8	1,128	3.9
Food, feed, beverages and tobacco	204	3,826	41,751	10.9	204.3	1,838	4.4
Crude materials, inedible	119	1,412	24,338	17.2	205.5	702	2.9
Fabricated materials, inedible	1,071	10,730	192,825	18.0	180.1	6,527	3.4
End products, inedible	198	7,232	58,756	8.1	296.6	5,741	9.8
General freight	973	19,816	198,969	10.0	204.5	9,176	4.6
Totals	2,675	45,894	545,450	11.9	203.9	25,112	4.6
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals	84	1,466	8,243		5.6		97.6
Food, feed, beverages and tobacco	359	6,987	22,726		3.3		63.4
Crude materials, inedible	6,766	5,369	62,117		11.6		9.2
Fabricated materials, inedible	1,363	8,208	68,306		8.3		50.1
End products, inedible	306	14,864	29,058		2.0		95.1
General freight	49	1,335	4,706		3.5		95.8
Totals	8,927	38,229	195,156		5.1		21.9

**SECTION II. TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS WITHIN THE PROVINCE
JANUARY 1 - DECEMBER 31, 1964**

TABLE 5. Total Operations (Intercity, Rural and Urban) of All trucks

	For hire	Private			Total
		Intercity	Urban	Farm	
Mileage:					
Total mileage travelled '000	48, 200	109, 351	74, 743	182, 880	415, 174
Average yearly mileage per truck '000	30, 100	11, 300	5, 200	2, 000	3, 600
Revenue per mile (total mileage travelled) \$	38. 8	—	—	—	—
Fuel:					
Total gallons of gasoline consumed '000	4, 634	9, 521	8, 368	18, 652	41, 175
Miles per gallon of gasoline '000	5. 2	10. 8	8. 9	9. 8	9. 3
Total gallons of diesel oil consumed '000	4, 116	804	33	56	5, 009
Miles per gallon of diesel oil '000	5. 8	5. 9	7. 4	6. 2	5. 8
Total gallons of other fuel consumed '000	10	372	—	—	382
Miles per gallon of other fuel '000	5. 6	5. 3	—	—	5. 3
Estimated annual population	1, 600	9, 659	14, 441	90, 300	116, 000

TABLE 5 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks

	For hire	Private		Total	
		Intercity	Farm		
Mileage:					
Total mileage travelled	'000	48, 200	109, 351	182, 880	340, 431
Percentage of total mileage travelled empty		30. 1	67. 8	71. 6	64. 5
Weight of goods carried:					
Total tons of goods carried	'000	2, 656	8, 897	8, 384	19, 937
Average weight carried ¹	ton	11. 4	4. 9	2. 0	5. 5
Average distance each ton was carried		144. 3	19. 5	12. 5	33. 2
Net ton miles:					
Total net ton miles performed	'000	383, 207	173, 743	104, 463	661, 413
Average net ton miles per truck		239, 500	18, 000	1, 200	6, 500
Capacity ton miles:					
Total capacity ton miles ²	'000	768, 466	502, 770	449, 110	1, 720, 346
Average capacity ton miles per truck		480, 300	52, 100	5, 000	16, 900
Percentage of capacity utilized		49. 9	34. 6	23. 3	38. 4
Gross ton miles:					
Total gross ton miles ³	'000	949, 599	590, 379	573, 593	2, 113, 571
Average gross ton miles per truck		593, 500	61, 100	6, 400	20, 800
Revenue:					
Total revenue	\$'000	18, 681	—	—	—
Revenue per ton mile	¢	4. 9	—	—	—
Average revenue per truck	\$	11, 700	—	—	—
Estimated annual population		1, 600	9, 659	90, 300	101, 559

See footnotes at end of Table 6 A, page 11.

Note: Table 5 A excludes the operations of vehicles in the urban category and the urban operations of for hire and private intercity vehicles (except mileage). For further explanation of the difference between Table 5 and Table 5 A see page 5, paragraph 7 of text.

TABLE 6. Total Operations (Intercity, Rural and Urban) of All Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled '000	150,121	115,264	20,485	21,469	41,362	66,473	415,174
Average yearly mileage per truck	4,800	2,800	1,500	1,500	3,400	23,000	3,600
Fuel:							
Total gallons of gasoline consumed '000	11,940	10,779	2,733	2,763	5,671	7,289	41,175
Miles per gallon of gasoline	12.6	10.6	7.5	7.8	7.3	5.0	9.3
Total gallons of diesel oil consumed '000	—	—	—	—	—	5,009	5,009
Miles per gallon of diesel oil	—	—	—	—	—	5.8	5.8
Total gallons of other fuel consumed '000	—	217	—	—	40	125	382
Miles per gallon of other fuel	—	4.5	—	—	5.8	6.5	5.3
Estimated annual population	31,188	41,843	13,712	14,263	12,106	2,888	116,000

TABLE 6 A. Intercity and Rural Operations Only of For Hire, Private Intercity and Farm Trucks by Gross Vehicle Weight Group

	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
Mileage:							
Total mileage travelled '000	111,326	98,191	17,200	17,563	35,080	61,071	340,431
Percentage of total mileage travelled empty	81.3	75.1	45.2	58.2	46.6	34.5	64.5
Weight of goods carried:							
Total tons of goods carried '000	317	2,142	1,925	1,611	4,084	9,858	19,937
Average weight carried ¹ ton	0.2	1.0	1.2	3.6	4.2	12.9	5.5
Average distance each ton was carried	14.7	11.1	6.1	16.3	19.1	52.5	33.2
Net ton miles:							
Total net ton miles performed '000	4,643	23,683	11,676	26,198	78,051	517,162	661,413
Average net ton miles per truck	200	600	900	2,000	6,900	236,500	6,500
Capacity ton miles:							
Total capacity ton miles ² '000	92,221	184,114	56,565	84,759	255,511	1,047,176	1,720,346
Average capacity ton miles per truck	4,000	4,800	4,400	6,300	22,700	478,800	16,900
Percentage of capacity utilized	5.0	12.9	20.6	30.9	30.5	49.4	38.4
Gross ton miles:							
Total gross ton miles ³ '000	189,136	271,748	69,155	97,536	239,818	1,246,178	2,113,571
Average gross ton miles per truck	8,200	7,000	5,300	7,300	21,300	569,800	20,800
Estimated annual population	23,173	38,609	12,986	13,364	11,240	2,187	101,559

¹ Net ton miles divided by miles travelled with load.² Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.³ Gross ton miles are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.

Note: Table 6 A excludes the operations of vehicles in the urban category and the urban operations of for hire and private intercity vehicles (except mileage). For further explanation of the difference between Table 6 and Table 6 A see page 5, paragraph 7 of text.

**SECTION III. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY SASKATCHEWAN REGISTERED TRUCKS
JANUARY 1 - DECEMBER 31, 1964**

TABLE 7. Tons of Goods Carried by Province of Origin and Destination

Origin and destination	For hire			Private intercity			Total		
	Into Saskat- chewan	Out of Saskat- chewan	Total	Into Saskat- chewan	Out of Saskat- chewan	Total	Into Saskat- chewan	Out of Saskat- chewan	Total
	'000 tons								
Newfoundland	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—	—	—	—
New Brunswick	—	—	—	—	—	—	—	—	—
Quebec	4	4	8	—	—	—	4	4	8
Ontario	8	9	17	—	—	—	8	9	17
Manitoba	152	213	365	21	30	51	173	243	416
Alberta	118	47	165	6	—	6	124	47	171
British Columbia	3	3	6	—	—	—	3	3	6
United States	8	14	22	13	4	17	21	18	39
Totals	293	290	583	40	34	74	333	324	657

TABLE 8. Selected Statistics by Commodity Group

Commodity group	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Live animals	69	2,259	24,017	10.6	349.7	760	3.2
Food, feed, beverages and tobacco	42	1,550	22,028	14.2	519.8	564	2.6
Crude materials, inedible	15	464	8,363	18.0	568.1	177	2.1
Fabricated materials, inedible	199	3,650	68,996	18.9	345.9	1,965	2.8
End products, inedible	47	2,993	28,168	9.4	594.4	2,594	9.2
General freight	211	6,622	81,825	12.4	388.3	2,560	3.1
Totals	583	17,538	233,397	13.3	400.1	8,620	3.7
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Live animals	14	246	3,101	12.6	225.8		
Food, feed, beverages and tobacco	9	230	2,292	9.9	235.9		
Crude materials, inedible	—	—	—	—	—		
Fabricated materials, inedible	27	403	8,833	21.9	333.0		
End products, inedible	21	468	5,788	12.4	279.0		
General freight	3	32	445	14.0	155.7		
Totals	74	1,379	20,459	14.8	278.0		

APPENDIX
Estimated Saskatchewan Truck Population

Type of operation	0-2½ tons 0-5,000 lb.	2½-5 tons 5,001-10,000 lb.	5-7½ tons 10,001-15,000 lb.	7½-10 tons 15,001-20,000 lb.	10-15 tons 20,001-30,000 lb.	Over 15 tons 30,001 lb. and over	Total
For hire	—	111	43	87	307	1,052	1,600
Private:							
Intercity	4,474	1,797	397	805	1,370	816	9,659
Urban	8,015	3,234	726	899	866	701	14,441
Farm	18,699	36,701	12,546	12,472	9,563	319	90,300
Totals	31,188	41,843	13,712	14,263	12,106	2,888	116,000

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